

What's New in the 4.1.01 Release of Salesware?

WHAT'S NEW IN THE 4.1.01 RELEASE OF SALESWARE?	1
SCOPE AND AUDIENCE	8
EXECUTIVE SUMMARY	9
Key enhancements	10
COMPONENTS IN THIS RELEASE	14
STEPS TO FOLLOW TO UPDATE TO THE 4.1.01 RELEASE OF SALESWARE FROM THE 4.0.58 RELEASE	16
Known issues	19
CHANGES TO THE E-COMMERCE MODULE	19
Modifiers that inherit guest information from the main item will now be displayed in the shopping cart with a modified head image and text	19
The Club Management pages can now use .NET decryption/encryption when running the Club Member Purchases Report	19
Change to the Club Management pages	20
URL encryption by the E-Commerce pages has changed and should now be safer and less error prone	20
The E-Commerce default config files now get correctly built along with the E-Commerce pages	20
When a modifier in the sale requires a guest to be attached and it has not yet been added by the user, a notification message will pop up telling the user to attach a guest when the user tries to advance to the next page from Checkout1.aspx	20
Using the Guest Lookup link in the page header or page footer from either Checkout.aspx or Checkout2.aspx	21
Added new WTP reload process for Axxess gates	21
New Sales Screen Action Macro that is designed to either set a single rental shop or filter the list of available rental shops to associate with a rental item when it is sold	21
The ability to have a parent or guardian record their info in the guest record of a minor when they accept a liability release for that minor has been added	22
A new page has been created that allows Group Leaders to create their own Club Management Groups (accounts) online	22
Fields in the guest record for the purchaser in an E-Commerce sale can now be handled differently from fields in the guest record for guests attached to products	23
Linked guest log-ins to member log-ins	24
You can now designate which pass/membership items can be used for a member log-in	24
E-Commerce pages now support second level modifiers	25
Added the ability to have items with optional guests attached	26
Five new guest user defined text fields of fifty characters each are available for use in the E-Commerce pages	26
The ability has been added to the E-Commerce pages for guests to view information about their current (non-expired) passes/memberships	26
Guests can now only be added to items after the items have been added to the shopping cart	27
Ability to process an addit_no for a pass sold through E-Commerce module has been added to Sales Host	27
A record of the purchaser information is now put into the sale string	27
New key has been added to the web.config file that will disable any external direct links to the ItemShow.aspx page	28

Items and that require guests to be attached, will now have the guest attached after the item/modifier is in the cart	28
Two web.config keys have been added that affect how prices and taxes display in the shopping cart	28
An Ajax control has been added to the ItemShow.aspx page	29
Functionality has been added to the Club Management Log-in page	29
Functionality that links the States (Provinces) dropdown with the country dropdown	29
Functionality has been added to the E-Commerce pages to read "BadWords" to help prevent cross-site scripting attacks	32
Item tree description can now be displayed for items in an E-Commerce sale when the sale is recalled at a regular salespoint	32
If a guest lookup fails when using first name/last name with password or birth date verification, a new link will now appear	33
Functionality has been added to display the guest first and last names on the liability.aspx page	33
New cart rules functionality allows filtering of cart rules for clients who run more than one set of pages	33
Added display of InfoExpr column on GuestSelected.aspx	34
Unused years for credit card expiration date have been removed from the checkout pages	34
A check has been added to the Checkout3.aspx page to determine if the same card is being used more than once to pay for a sale in a multi-card transaction	34
Additional phone number fields, Phone 2 and Fax, can now be displayed on the GuestSelected.aspx and GuestEdit.aspx pages	35
Added Extension fields to phone, phone2 and fax numbers in E-Commerce pages	35
Pages now have the ability to parse text from the Help field and display it on the ItemShow.aspx page	35
The Client # has been added to the about.aspx page	36
Added sort order to Cart Rules table. Cart Rules applied in ascending order of primary key value	36
The E-Commerce pages can now hide the Remaining column in the ItemList.aspx page and the Remaining quantity labels	36
Any records in the ww_tix table with a fwd_status of "2" or "3" will be pruned on startup of Web Sales Host when older than a set number of days	36
The Clickoncebutton control has been completely removed from the E-Commerce pages	36
GuestPhotoUpload.aspx page will now display a message to the user if they try to upload a photo that is larger than 4 MBytes	37
Enhanced reverse modifier functionality	37
Payment Types can now be restricted by Sales Point Type in E-Commerce pages	37
Default actions taken when In-House Cards items are sold	38
Guest lookups can now be done from the GuestLookup.aspx page using username/password rather than the standard firstname/lastname lookup	38
New web.config setting to display alternate text when utilizing username/password guest lookups	38
Dash that displays for non-Max4Sale items in the "Remaining" column can now be replaced	39
New web.config setting that allows for central management of the regular expression used for e-mail address validation	39
You can now override what happens when a member of the group/club logs out of the group before completing the sale	40
Obtaining E-Commerce module performance improvements	40
CHANGES TO PRINT AT HOME TICKETS MODULE	40
Print At Home Tickets module now uses the new NovaPDF driver	41
CHANGES TO WW.DLL	42
A new field has been added to the "price_info" field returned by the getitemexpanded call to ww.dll	42
Support has been added for nested modifiers to GetItemExpanded	42
New phone and fax extension fields are now returned in the getguest call	43
ReplSpSuffix registry setting has been added to the Preferences section for ww.dll	43
CHANGES TO THE ACCESS CONTROL MODULE	43
Axess gate control	43
Availability of a segment with a type 3 product encoded on it will be based off of the start date plus the duration	43
Reloading an Axess card	44
Additions to the Guest Lookup dialog to support Axess	44
Additions to the Access Search dialog to support Axess	44
Axess serial numbers will now be based off of max keys table or WTP records	44
Ticket/Pass Lookup dialog now allows operators to look up tickets and passes with WTP numbers or RF SERIAL numbers for Axess gates	44

Support for E-Commerce apps in Axess.....	45
Code for integration with Axess printer.....	45
Axess RFID cards can now be encoded and read using the Axess Smart Printer.....	46
Added: A "swipe" can now be encoded onto Axess RFID media.	46
Axess printing.....	46
BatchPrint can be used to either print graphic passes OR encode Axess RF media.	46
Updated labels in SysManager program printing tab of item edit from "New Text Merge" to "Axess Smart Printer"	47
Changes to ScanMan module	47
ScanMan module will now keep up to 250,000 bytes of an old log file	47
Card numbers are no longer repeated due to a bug in parsing	47
ScanMan will now make guest picture available even if scan was bad	47
"Freezing" Scanners using an rf reader has been fixed.....	48
Birth dates can now be shown in guest info text.....	48
Log verbosity can now be set even with config menu off	48
In Sales and ScanMan modules, each scan event now also includes the location and the validation result	48
Changes to GateKeeper module	48
GateKeeper module now gets guest information (picture, etc.) when necessary to display it on the Gatekeeper screen	48
For GateKeeper module, Sales will look for support files, images, in the Program Data directory first.....	49
GateKeeper module can now be run from a salespoint.....	49
Configuration code logic has been added to GateKeeper module to allow manual setting of scan date and/or time as well as location...50	
GateKeeper module now runs in a manner that satisfies Windows 7 certification.....	51
GateKeeper module has been enhanced to allow CheckPoint logging to work with serial rotation detection	51
The Entrance button can now be resized and have different text.....	52
Replaced the Pegasus ImagXpress control with the GDPicture control for photo rotation for GateKeeper module can now set location by entering SETLOCXXX Prefixed with a % if scanned	53
You can now configure how GateKeeper module reads hexadecimal.....	53
CHANGES TO THE RENTALS MODULE	54
RentEZ uses Printers.dbf at the RentPrintDataPath RentEZ_System.INI setting location	54
Revised "AutoPick" algorithm.....	54
New Sales Screen Action Macro designed to either set a single rental shop or filter the list of available rental shops.....	54
The Rentals reports can now be run by summary	54
RentEZ now locates and reads the FileSync.INI file to determine the salespoint suffix and site id	54
Changes to FileSync application	55
FileSync application no longer needs to have a sp_suffix or site_no or itemtree specified.....	55
The 4.1.01 FileSync installer now installs a default tables.config.....	55
FileSync application generates ready.txt, necessary for RentEZ and TechStationPC	55
New INI setting indicates where FileSync in Food & Beverage mode looks for the tables.config file.....	56
FileSync application will now look for tables.config in ProgramData first and then in program files.....	56
In Runexe.INI file, a section called ExeArgs is now supported (only of interest internally).....	56
FileSync application now generates ready.txt file when rFileSync data has been successfully built	57
Sales now looks for ready.txt and not fileinfo.txt which has been superseded.....	58
Windows 7 certification.....	58
FileSync application now supports TCP monitoring (ServiceMonitor).....	58
FileSync application works better with the ServiceMonitor.....	58
FileSync application no longer uses registry settings	58
Auto recall is now functional when salespoints use shared FileSync data	59
FileSync application now supports TCP monitoring (ServiceMonitor).....	61
Changes to Self Entry module	62
Phone extension has been added to the GuestAdress.aspx page in the Self Entry pages.....	62
For Rentals Self Entry pages, default config files now unzip to a \DefaultConfig sub folder	62

CHANGES TO THE FOOD SERVICE MODULE	63
The sp_log now writes Activ_type = 2121 when a tip fails.....	63
Tips are now correctly recognized when a second debit card or credit card is used as payment.....	63
Pop up message has been added advising if close out is attempted without payout of tips	63
You can now send a remote layout to a kitchen printer that categorizes items, in the order, by Course Number	63
If seat numbers are enabled, a table can now be split by seat number.....	64
Sales Screen Action Macro "SELECTLAST(COURSE())" will now take a course number value.....	64
The operator is now warned when a remote printer is not functioning and is unable to print the receipt.....	64
New .INI setting provides a choice between a detailed and basic close-out report	65
New ability to lock the size of screens in Sales	65
A tipping threshold can now be set in Sales	65
Folders/items in the item tree can now be specified to always be at the top of each level of the item tree	65
 CHANGES TO THE CHARGE CARDS MODULE.....	 65
The Save and Pay button is now present in the Credit Card Payment dialog when Directnet or CreditCheq is used with SaveOnCCSwipe=TRUE.....	65
Two different Canadian debit cards can be used to pay for a sale using EMV.....	66
Operators using a salespoint configured to use pinpads for CreditCheq can no longer interact with the salespoint	66
If a sale is to be split equally between multiple credit cards, new functionality is in place for use in the Save or Finalize dialog	66
EMV, chip & Pin pinpads are supported for VersaPay/Moneris	66
The cvv2 image on Checkout.aspx and Checkout3.aspx has been updated.....	66
Operators can no longer refund an amount other than the invoice amount if they have not been granted the "Sales - Allow Credit Card Overcharge Of Invoice Total" security setting.....	67
New PA-DSS tab in SysManager > Preferences > Miscellaneous	67
TenderRetail dlls for Moneris and Paymentech are now unzipped to Program Files.....	68
Sales now contains the new TenderRetail .dlls that correct the problem that occurred when using a French Debitcard and tipping over \$9.99 CAD	68
Sales now verifies and supports the version of Tender Retail libraries	68
There is now a VersaPay choice in the Process via dropdown in SysManager program.....	68
Card type of 'CUP' has been added to the Payment Type dialog's card type list for China Union credit card set up	68
New Sales .INI settings to allow CreditCheq to work with non-Moneris processors.....	69
Sales now deletes CreditCheq log files that have a modified date more than 90 days old	69
Proc_msg, proc_code, host_code and host_msg are now written to cc_trans for CreditCheq transactions.....	69
CreditCheq cc_trans records are no longer written for status=3	69
 CHANGES TO THE IN-HOUSE CARDS (IHC) MODULE	 69
Added No Luhn Check check box to SysManager	69
Miscellaneous changes to Sales to support IHC module	70
In-House Cards items can now be a maximum of nineteen digits instead of sixteen digits	70
 CHANGES TO THE KIOSK MODULE.....	 70
Sales Action Macro DISPLAY () now able to be used in Kiosk mode	70
 CHANGES TO THE DYNAMIC PRICING MODULE.....	 70
New Dynamic Pricing rule: IGNOREQTYMULT()	70
An autosold item can now be prevented from being put on account	70
 CHANGES TO THE MEMBERSHIPS/PASSES MODULE.....	 71
When SetPass is performing a validation and the validation template specifies a Revenue Recognition rule, SalesEZ application now checks the SiriusUtil.DLL file	71
Passes with future start dates now display status as "pending"	72
Passes to print can now be filtered by 'Sold On' using both date and time	72

The Pass Information dialog will now automatically close after Print Pass and Exchange	72
Multiple segments encoded on a single piece of media that are different items can now be successfully exchanged	72
Adding <ClearMedia>1</ClearMedia> to a layout will now correctly cancel all valid segments	72
New validation options	72
ZBRUHReader.dll has been updated to the latest version for RFID printing with the Zebra P330i printer	73
Memberships that are determined to be renewals or rejoins will now be seen in the Pass Activity Report	73
Sale History and Guest Info buttons are now available on ticket and pass inquiries	73
In Sales and ScanMan modules, each scan event now also includes the location and the validation result	73
Pass Inquiry is now available from the Add Guest? button on the line item	74
Guest photo, name, and birth date (if available) will be displayed for the time specified in the GuestPhotoVerifyTimeout setting.	74
CHANGES TO THE PRIVATE INSTRUCTION AND ACTIVITY/FACILITY SCHEDULING MODULES	74
Better control when logging in with a swipe	74
CHANGES TO THE FOLIO CHARGE MODULE	74
Folio Charge Report changes	75
Changes to Folio Charge installer	75
CHANGES TO THE RESERVATIONS MODULE	75
The csrTrans and csrTransGuest tables are now accessible to confirmation letters	75
ConfigManager utility will now prompt for an administrator password when User Account Control is activated	75
Grand totals for amount paid, and balance are now available at the end of the Reservations Report	75
SysManager > Preferences > Reservation Headers no longer has a "blank" first page	75
Fields from Accounts, Guests, Invoices, and Address tables are now available to add and display in the Reservation Recap dialog	76
Account description field is displayed when reservation is recalled	76
CHANGES TO THE GROUP SCHEDULING MODULE	76
Group Scheduling Reporting Services Reports have been updated for 4.1.01	76
Adding "used resources" to the filter in the calendar will display only used resources	76
Group Scheduling resources can now be shared across different event types and locations	76
Adding reports available at the salespoint	76
"Restrictions" are now called "Recurring Resource Bookings"	77
The process of deleting reservations or resources in Group Scheduling module is much cleaner	78
Group Scheduling module now supports adding multiple days, locations, and event types to the same reservation	79
Moving Group Scheduling reservations using the 'move to' date tool, now also updates the global date with the new reservation date ..	79
The end date and time of Group Scheduling resources can now be printed on confirmation letters	79
In Group Scheduling, the drop-down options for locations and event types will now stick on the last ones used	79
Resources can now be assigned to any event regardless of location	80
You now have the option to set a default Location and Event in the Group Scheduling calendar	80
There is now a list view option for viewing the selected month's reservations	80
If an item has a time span associated with it, that time span will be respected and input into the group schedule	80
Miscellaneous changes	80
CHANGES TO THE RETAIL MODULE	81
The Sales By Weight Report is now available	81
The Receiver Report has been updated	81
Item description and vendor information now appear on the Special Orders Report for unprocessed special orders	82
The ability to select multiple matching records for Vendor Part No search in the Items form has now been added	82
The FIFO method of cost calculations has been added to Inventory functionality	82
New warning message: "Re-order level is not set for all items."	83
Sales now supports the Salter Brecknell Series 200 floor scale	83
Quantity On Hand Report > Additional Filters tab, vendor filter now fills in the "Through" value	83

Changes to SysManager interface for Retail module.....	84
Speed of adding a real-time inventory item to the Sales invoice is now faster.....	84
CHANGES TO THE SIMPLECHARGE MODULE	84
Tipping is now activated on SimpleCharge salespoints when Tips=True	84
CHANGES TO THE TICKETING MODULE	84
Added Smarter Logging to SalesEZ application.....	84
New .INI setting to bypass tables packing upon startup to speed up Sales' startup time	88
Sales now offers a clearer message when recalling a sale that does not have any notes associated with it.....	88
Prevention of pruning of the SalesEZ_log.txt and SalesEZ_LongCallsAndErrors_log.txt files during busy times	89
ReportManager will now distinguish between “hidden” and “deleted” profit centers.....	89
Changes to SysManager program to prevent slowdown at the salespoints when item tree edits are being done	89
Text boxes 1-5 for an invoice will now accept up to twenty characters; text boxes 6-15 still accept up to ten characters.....	90
Added capability to do a marketing survey after a sale	90
Reporting for market survey	90
Two new menu items in SysManager > Activities > Item/Sales Lists.....	90
Added ability to multiselect items in ItemTree and perform changes en masse	91
Additional guests associated with a sale are seen in the Guest Listing v2 Report in ReportManager	91
Five new guest user defined text fields of 50 characters each have been added to the Guest Info 3 tab in Sales	92
Accounts now have the option to be used only to save sales but not have any sales be finalized to them	92
Guest phone extension fields have been added to the database	92
Sales will now store PDF files created by PrintEZ application in the location defined by the PDFPath setting	92
Added new SHUTDOWN() macro to Sales	93
Swipe Injection dialog can now be set separate from the EncryptedPassNumbers setting to use encrypted or unencrypted numbers	93
Encrypted numbers have been increased to a maximum of ten characters	93
Enhancements to creation and deletion of Max4Sale and Points4Sale limits.....	93
SysManager > Guest Edit form > User Def 2 tab now includes support for five, new, long text (fifty characters) fields	94
Accounts can now be set up in order that the entire balance must be paid upon finalization.....	94
Changes to SiriusSQL application in support of the new market survey functionality	94
Phone extension fields have been added to Guest Info tab in Sales	94
SysManager > Guest Edit > Address Tab has been modified to now include a 4 digit extension number	95
Sales will now pass path information to PrintEZ rather than PrintEZ reading the paths from its own .INI file.....	95
Shift key added to on-screen keyboard to allow entry of !@#%&^&*()_+ characters	95
Line item notes can now be deleted	95
Note fields for Guest Info will now accept a carriage return allowing for clearer messages.....	95
New .INI setting provides a choice between a detailed and basic Close-Out Report	95
New .INI setting to append text to a function key macro	95
Cascading validation of access records.....	96
New Dynamic Revenue Recognition capability	96
Account Statement Report now has the address fields from invoice records available for use when using the custom Account Statement Report layout.....	104
Sale History and Guest Info buttons are now available on ticket and pass inquiries	104
New ability to lock the size of screens in Sales	105
You can now print multiple barcodes on a single ticket	105
More characters available for first name and last name on tickets	105
Accounts Receivable reporting now has option to choose transaction date based on Finalized Date	105
Garment exchanges are now flagged and differentiated from regular voids	105
Guest lookup now searches for the Second Guest	105
You can now refund a ticket directly through ticket inquiry	105
Phone extension fields have been added to the SiriusSQL application	106
Added ability to input zip codes during sale via on screen keyboard	106
Sales updates immediately when changes are made to the item tree	106
Item descriptions now available under the item Modifiers tab in SysManager program.....	106

Zip/post code now auto-populate in the zip/post code prompt	106
It is now possible to print the department and category descriptions on tickets	106
Change to how SysManager > Data Maintenance/Max Keys On Server processes values	106
You can now consolidate the sales and CC receipt	107
Changes to PrintEZ application.....	108
PrintEZ application now uses the NovaPDF driver instead of Amyuni to generate all PDF files.....	108
The csrTrans and csrTransGuest tables are now accessible to confirmation letters in	109
Added the diagnostic tool "AnalyzeFRX"	109
Added PEZ functions "PARSE" and "MODROLLUP"	110
PrintEZ application no longer uses the PdfPath, LayoutPath, DataPath and JpgTempPath values in the [Data] section.....	111
CHANGES TO THE SALESWARE PLATFORM.....	111
New FileSync installer.....	111
Applications now look for sound and image files first in ProgramData	113
Siriusware Update service will now look for a registry setting	113
Zip code table is now exempt from structure checks at Sales startup.....	113
New location for Siriusware-related libraries	113
c_s_misc files (zip codes) are now located in a separate Data folder inside the Program Files/Sales/Data folder.....	114
C_SM_MISC*.EXE and C_S_HELP.EXE	114
SiriuswareComplianceChecker available to check PA-DSS compliance	115
Pool Service will now look for its templates in the program data directory first and then in the program files directory.....	115
SalesEZ application now looks for the new stored procedures.....	115
New PoolManager services integrate with new PoolMonitor service to improve functionality.....	115
Install pool service on any middleware machine and run an EZ using either the old pool or the new service.....	116
Special Instructions for installing multiple instances of Pool Service	117
Installing Services and updates with French Language Systems.....	118
Salesware is now DEP compatible	119
Applications now uses the NovaPDF driver instead of Amyuni to generate all PDF files.....	119
Older imaging has been replaced by GDPicture to enable function with 64-bit windows	119
DynaZip Max (version 5) now used for all zipping operations in SysManager	119
Support for Windows 7.....	120
New icons and splash screens.....	122
Sales now uses less memory.....	123
Dropping support for SQL Server 2000.....	123
All .exe's and .dll's are now digitally signed.....	123
A new license column (GKS) has been added in license manager	124
Runexe application requires the SiriuswareUpdate service	124
Common Files installer no longer installs c_s_misc.exe	125
Upon startup, SysManager no longer checks for the presence of ssleay32.dll and libeay32.dll.....	125
Pegasus ImageXPress ActiveX control has been replaced by the GDPicturePro control.....	125
ScanWatch utility is Windows 7 compliant.....	125
Pool Service is Windows 7 compliant	125
SQL Server 2008 SP1 certified for use.....	125
SQL Server 2008 SP2 certified for use.....	125
SQL Server 2008 R2 certified for use.....	126
Updates to Salesware installers.....	126
Elimination of SiriusFS folder for new installations	126
New ww.dll installer.....	126
It is possible to create an item with an Axess Smart Printer layout that only encodes the Siriusware segment of the card	128
Changes to Reporting	128
RentEZ will no longer error when RentPrint is not installed.....	129
FIXES	129

APPENDIX A.....164

Details166

APPENDIX B.....173

Details for upgrading to Salesware 4.1.01 on Windows XP173

APPENDIX C.....177

Faux Finalize.....177

 Adjusting Credit Cards177

 Adjusting Cash177

APPENDIX D.....178

PowerPoint presentation exploring version 4.1.01 compatibility and changes for Windows 7178

Scope and audience

This document summarizes the new features in the latest release of Salesware Version 4.1. The document is intended for Salesware administrators and other personnel charged with reviewing the latest features available in ongoing releases of Salesware from Siriusware®.

Executive summary

This release provides the following key, new enhancements and features:

- Appendix D provides an overview of the changes to the 4.1.01 release.
- For Windows 7 compliance, Salesware is now installed in two places: `Program Files\Siriusware` and `ProgramData\Siriusware`. The `CommonUpdate` utility automatically partitions current installations between these two directories. `CommonUpdate` will also create the `ProgramData` directory on operating systems, like XP, where it doesn't already exist. Otherwise, the "fresh" installers do all of this for you. This change to the directory structure helped Siriusware attain Windows 7 certification with regard to the prohibition of writing transient data to the `Program Files` directory – favoring the `ProgramData` directory instead. The reason is that regular, non-administrator users are not allowed to write to the `Program Files` folder by default with User Account Control (UAC) enabled when using Vista or Windows 7. Any writing to these folders should trigger a UAC window requiring an administrator password to complete. We don't want that to happen, so we must use the `ProgramData` folder for transient data.

Note: `ProgramData` is by default a hidden directory. You will need to enable **Show hidden files, folders and drives** in your **Folder Options** in the Windows **Control Panel** in order for the `ProgramData` folder to be visually seen by Windows users. (This is not required, but may be more user friendly for those that want to access this folder with any frequency.)

Note: With UAC activated in Windows 7, you may be unable to edit the `xxxx_system.INI` files, even when logged on as a member of the built-in administrator group. You might get the message "Access is denied". With UAC turned off, you should be able to edit. Another alternative is to use the built-in Administrator account, which is disabled in Windows, but which has full rights to the computer. The full power of this account is what caused so many security issues for XP, which is why it's disabled and normal administrators have fewer rights. This behavior is as designed by Microsoft, to prevent changes to important files in the `Program Files` directory, which is where the `xxxx_system.INI` files reside.

- This release drops support for SQL Server 2000. The boilerplate SQL Server update script now checks for this and will halt with an informational message if you are still running SQL 2000. `SiriusSQL` is required to set to use SQL Server compatibility level 90 or higher.
- On new installs, the `SiriusFS` folder is no longer used. Instead, a folder named `Siriusware` is installed at the root of the `C:` drive, configurable, with all the subfolders (`Updates`, `Data`, etc.) located there. With adequate security measures in place, you may continue to use the `Program Files` directory (`Program Files\Siriusware\SiriusFS`) for your updates and data folders. You should move to the new directory structure if you need to reinstall on a new server.

- NovaPDF driver is now used to create PDFs from PrintEZ and other applications.
- For all applications, including RentEZ, FileSync and ww.dll applications, we have moved registry settings out of the registry and to .INI files. The exception is ConfigManager utility, because only administrators modify these settings. The HKEY_LOCAL_MACHINE/SOFTWARE/SIRIUSWARE/INSTALLATION registry settings remain.
- All .exe's and .dll's are now digitally signed
- Axxess Gates are now supported
- Runexe application requires the Siriusware Update service, which can be found in **Control Panels > Administrative Tools > Services** after Common Files or Update_Siriusware_41.msi are run. The update service is started automatically. Siriusware Update service is required because updates occur to the Program Files directory, which requires administrative rights when UAC is turned on (and most operators don't have those).
- FileSync application is now a service. To update FileSync application you double-click on the shortcut in that folder.
- We now use a Pool Service. If you are installing on an existing installation, you will have to uninstall the old Pool and run the 4.1.01 PoolManager installer to get the new Pool Service. You will notice a new folder named Update Pool on your desktop. To Update Pool you will have to double-click on the shortcuts in that folder to cause the update to happen. You can find the new services in **Control Panels > Administrative Tools > Services**. SalesEZ application starts automatically. The new Pool Service works with SalesEZ, BookeEZ, RentEZ and TallyEZ applications.
- New Faux Finalize capability -- see [Appendix C](#).
- Siriusware-related libraries are all now located in c:\program files\common files\siriusware shared\ or in c:\program files (x86)\common files\siriusware shared\ on 64-bit systems.
- All applications feature new appearance and graphics
- Applications now look for sound and image files in ProgramData first, and then in Program Files. For example, Sales program now looks in ProgramData\Siriusware\Sales\Images first for all images, and if the image cannot be found there, then it looks in: Program Files\Siriusware\Sales\Images as usual. Thus, customizations to images and sounds can be made in ProgramData\Siriusware by users, without disturbing the default images and sounds in Program Files\Siriusware. This functionality applies to Sales, GateKeeper and Kiosk modules and all other applications that use image and/or sound files.
- All applications feature new appearance and graphics

Key enhancements

- The following table summarizes key enhancements in the 4.1.01 release, along with the Issues numbers from the release notes:

Issue Number	Enhancement
Various	Axess Gate control
2200	Prevent massive charges/refunds to credit cards
6081	Zip/Post Code Formats, Country Selection, Email Address Collection Prompts, and Question Lists
6466	Ability to use log-in card for other applications - including instructors in SeeBooks
6802	AutoClose procedure for SalesHost
7452	Running Pool as a service
7453	Edit finalized tables and re-use credit card from previous payment
8328	Activate ShowPaymentBreakdown Setting in Non-Dining Header Closeouts
8440	Replace/upgrade Pegasus and Amyuni for 64 bit compatibility
8598	PC-Based GateKeeper/ScanMan module functionality
9243	SysManager - use descriptions for the Mover boxes
9398	BatchPrint utility: add Calendar Control for Date/Time selection
10599	Purge credit card information from Guest Records
10720	E-Commerce module: add support of multiple modifier layers
10820	E-Commerce Subtask: allow different Guest Names on Modifiers and Main Items
11446	Add Pass Inquiry button to Guest Info dialog when adding a guest to a product
11706	Link states to countries in E-Commerce <code>MiscTables.xml</code> file
12426	Summary option for Rental Activity Reports
12480	No warning when you don't select payout tips
12673	Automated refund of a ticket through the Ticket Inquiry function
12850	Canadian Credit Card Conversion from Interac to EMV (Chip and Pin)
13068	Automatic search of Second Guest Name fields
13837	Always show top level item groups for ease of navigation in F&B
14015	Auto Recall button doesn't work when using FileSync application in F&B
14350	Way to limit tip amount
14557	Link Guest log in to Member Log in within E-Commerce module
14659	Enforce Min/Max with secondary modifiers
14783	Divide amount due on check by a # for ease of splitting payments

14785	Link specific membership pass DCIs to MembersOnlyDCIs setting in E-Commerce module
14787	Hide the Remaining Points4Sale/Max4Sale values in E-Commerce module while retaining the functionality
14857	Add a macro to Select the Appropriate Rental Shop per item in E-Commerce and Sales modules
14929	Manual pass number and access number entry for encrypted numbers
14949	Make other phone fields available for display in GuestSelected.aspx and for editing in GuestEdit.aspx.
15034	Vista, Windows 2003/2008, and Windows 7 compatibility
15143	Populate Zip/Post Code Prompt with Zip/Post Code from Guest in Sale
15334	Identify garment exchanges in transact (no report, just record in data)
15430	Return matching list when searching by Vendor Part_no
15431	Allow DISPLAY () macro in Kiosk module
15435	Qty On Hand: select vendor and have that same selection populate the "through" vendor
15501	Support multiple email addresses for guests (expand Guest UDF Memo fields)
15519	Add Sold/Closed/Finalized Date options to Cutoff Date on Accounts Receivable Report
15552	Rental Inventory - need a way to resize the "Create X Duplicates" window
15585	Integrate with a floor scale
15719	Allow guest addresses and account addresses in Recap dialog
15720	Allow Account button in ResHeader to link to editing the selected account and invoice
15787	Update Guest Listing v2 Report to include any guest associated with the Sale, not just the transaction
15788	E-Commerce module: add Club Account Listing Page
15798	GS Request #1: Resource times should also move when the reservation arrival/departure time is altered
15799	GS Request #13: revise blackout restrictions (Create "Recurring Resource Bookings")
15800	GS Request #2: global date and time should reflect new "move to date"
15805	GS Request #5: add time feature to dragging Resources
15806	GS Request #6: set the default Location and Event

15807	GS Request #7: streamline deleting process
15809	GS Request #9: add ability to remove Location lock
15810	GS Request #10: month calendar display list view option
15813	Split by Seat Position
15827	Expand MultiAdd to work with items that require Guests
15829	Separate Guest Required fields for items vs. purchaser
15831	E-Commerce module: make adding a guest to a product easier
15883	Pass Information Dialog: add buttons that link to Sale Details and Guest Info
15884	Add Extension field to Guest Phone Numbers
16077	Add tipping capability for SimpleCharge application
16121	Add latest client customizations to the Club Management pages
16199	Allow Department and Category descriptions to be printed on tickets/vouchers
16201	E-Commerce module: enforce salespoint type restrictions with Payment Types
16223	Accommodate China Union Pay credit card numbers
16374	Notification of print failures for Remote Receipts
16377	Option to hide statistics and total sales on the Closeout Receipt
16406	Guest Memo and Note fields in Sales do not allow carriage returns (make this better with maybe a right click option to 'edit memo')
16408	Re-Trigger City/State lookup when new Post/Zip Code is entered
16412	Display memberships with a future start date as "Pending" instead of "Active" in Pass Inquiry
16426	Prevent putting an item on an AutoScan Invoice using NOACCOUNT () macro
16588	Axcess Gate work
16655	Access Control module functionality at the salespoint
16689	Accent on item descriptions not recognized in TallyMan scan
16691	Sales: use “Expires” for the default sort order of passes in Pass Inquiry
16694	Allow guest to view Pass Details in E-Commerce module
16729	Allow location for GateKeeper to set by scanning a barcode
16842	Display guest name on Liability Page in E-Commerce module
17041	Required entry of Guardian First Name, Last Name, and Relationship to Minor on E-Commerce Liability Page
17134	Better way of handling payments and charges to Accounts to prevent mistakes

17247	Special Order Report does not show DCI/Vendor until PO is created
17249	Add Amount/Paid/Balance Grand Totals to the Reservations Listing Report
17465	Changes to support WB (increasing length of invoice UDFs - text 1 through 5)
17466	Add . INI setting(s) to access any custom report or set of custom reports in sales.
17621	Control of Cart Rules per web site
17644	E-Commerce module - CVV2 Icon needs update
16490 14457	Change Help/About Dialog to make software versions obvious
13184 12887	Duplicate a Max4Sale limit through a date range Extend 'Create Daily' Max4Sale Limit Functionality
15322 5886 12659	FIFO Inventory Based System
15647 324	Admissions incorrect if <code>admissions > 1</code> and <code>timespan = 1</code>
15705 (15801, 15802)	Support Multi-day reservations in Group Scheduling module
15706 16209	E-Commerce module: record purchaser info even when <code>NoPurchTracking = 1</code>
15770 11581	Remaining field confusing for guests when selling tickets online
15811 14558	Maximize screens and “lock” them so that they can't be re-sized in F&B
15967 15562	One Access barcode with varying uses per scan location (cascading through Access records)
17669/16734	SysManager program: Search for Access Records using <code>Addit_No</code> and <code>Swipe_No</code> fields
16685	Debitware statement SORT by date time

Components in this release

The components that received the version 4.1.01 designation are listed in the following table. Note that some components were renamed with a new version number but did not change. We have done this because all components are tested together, so we update the version number on all tested components whether or not they were actually modified for the release. The components that were not changed are noted in the following table and on the Siriusware Information Portal next to *downloads*.

Note: Siriusware uses internal and official release version designations. Both are listed in the following table.

Component	Internal version	Release version	Notes
BatchPrint	0035	4.1.01	
BookEZ	0094	4.1.01	
ConfigManager	0007	4.1.01	
E-Commerce Pages	0271_01	4.1.01	
E-Commerce Club Management	0010	4.1.01	
E-Commerce Config	0271_01	4.1.01	
FileSync	0038	4.1.01	
Folio Charge	0016	4.1.01	
GateKeeper	0041	4.1.01	
Helper	0005	4.1.01	Full installer
InventPricer	0017	4.1.01	
PayManager	0056	4.1.01	
Photo	0006	4.1.01	Full installer
PoolService	0004	4.1.01	
ReportManager	0276_14	4.1.01	
RentEZ	0123_03	4.1.01	
RentPrint	0025	4.1.01	
ResPrint	0041	4.1.01	
Runexe	0034	4.1.01	
Sales (includes PrintEZ)	1167_33	4.1.01	
SalesEZ	0255_04	4.1.01	
ServiceMonitor	0001	4.1.01	
ScanMan 5590	0025	4.1.01	
ScanMan 9090	0025	4.1.01	
ScanMan 9091	0025	4.1.01	
ScanWatch	0037	4.1.01	
SeeBooks	0025	4.1.01	
Self Entry Pages	0057	4.1.01	
Self Entry Config	0057	4.1.01	

SiriusSQL	0081	4.1.01	
SysManager	0363_15	4.1.01	
TallyEZ	0032	4.1.01	
TallyManPPC 5590	0036	4.1.01	
TallyManPPC 9090	0036	4.1.01	
TallyManPPC 9190	0036	4.1.01	
TechStationPC	0024	4.1.01	
TechStationPPC 5590	0007	4.1.01	Icon and splash screen changes only
TechStationPPC 9090	0007	4.1.01	Icon and splash screen changes only
TechStationPPC 9190	0007	4.1.01	Icon and splash screen changes only
Ticker	0006	4.1.01	Full installer
ww.dll	0172_01	4.1.01	
Zip Codes	N/A	4.1.01	c_s_misc, Update_zipcodes_4101

Steps to follow to update to the 4.1.01 release of Salesware from the 4.0.58 release

Note: With 4.1.01, Salesware requires all update files to be digitally signed. See [Appendix B](#) if you have problems with a Windows system finding the key to decrypt an update file (certificate error). Also note that on Windows Embedded systems you may have to actually view the certificate for the file that Runexe application is trying to unzip before you can actually install and accept it.

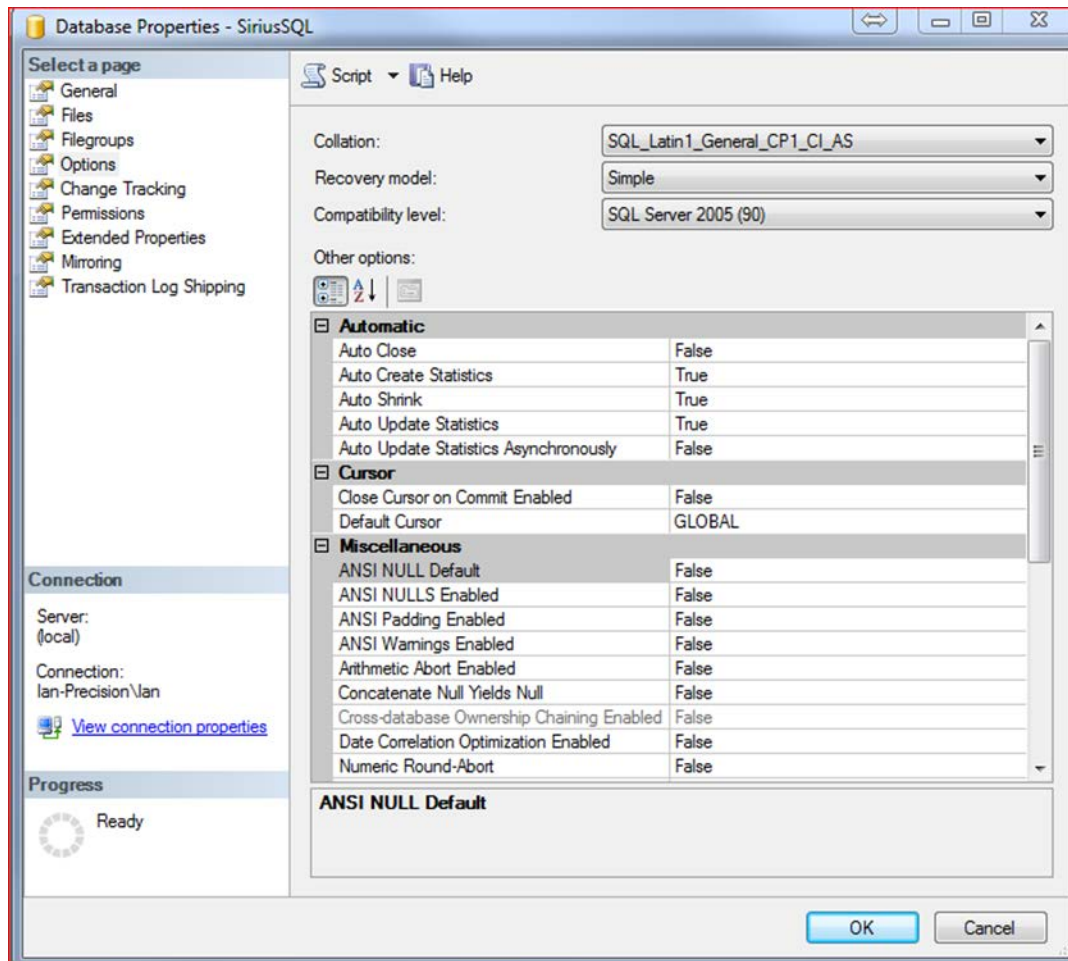
Note: If you don't want to update a current 4.0.58 test installation, you can install a "fresh" version of 4.1.01 using the installers available from the portal.

Note: The Salesware installers are very different for the 4.1.01 release. You will need to delete your pre-4.1.01 installers from your installation. These are usually located in your SiriusFS/Install folder. You can then copy in the new 4.1.01 installers.

1. Verify you are on SQL Server Version 2005 or newer.
2. Backup your SiriusSQL database.
3. Database Compatibility level

- a. In SQL Studio Manager Right Click on the SiriusSQL database in SQL Management Studio and choose Properties.
- b. Click on Options on the left side of the screen. If you are running SQL 2005 change it “SQL Server 2005 (90)”, if you are running SQL Server 2008 you can select “SQL Server 2005 (90) or SQL Server 2008 (100)” click on “OK” to save.

Note: If it was already set correctly simply click “ok”



4. Database update

- a. With everyone out of the Siriusware System go ahead and run the 4.1 SQL update script(s). Once the script(s) finish running, verify that the results at the bottom of the SQL query window indicate that the script completed WITHOUT errors.

Note: One or two database version updates are required to get to SiriusSQL 4.1.01_0081, depending on whether you are on 4.0.57h, 4.0.57i or 4.0.57j:

SiriusSQL_4057h_to_4101_0081.sql
SiriusSQL_4057i_(4058_SP01)_to_4057j_(4058_SP02).sql
SiriusSQL_4057j_(4058_SP2)_to_4101_0081.sql

Note: If you see any errors at all, STOP and call Siriusware Technical Support as the database backup must be restored immediately.

5. Application updates
 - b. Place the new 4.1 application update files in your updates folder. (Just like you have done in past updates.) Be sure to include the c_s_misc.exe file for zip codes for Sales. For Pool, there is a new c_poolservice_xxxx.exe file with this release. The old c_pool_xxxx.exe is no longer used. There is also a new c_ServiceMonitor_xxxx.exe used to monitor the Pool service.
6. Installers update
 - a. Delete all the existing Siriusware application installation files from the server (These were located in the Siriusfs/install folder on the server)
 - b. Copy the new Siriusware 4.1 installers into this same folder
7. Updating Middleware
 - a. Make sure you are logged in the machine as an Administrator.
 - b. Turn off User Account control if applicable.
 - c. Shut Down all running pool applications.
 - d. Run the Siriusware "Update_siriusware_41.MSI " application
 - e. Go into the Control Panel and uninstall the existing Siriusware PoolManager application.

Note: Uninstalling and re-installing Pool is necessary because the Pool program has changed so much that it could not be updated programmatically. Make copies of the BookEZ_System.INI, Pool_System.INI, RentEZ_System.INI, SalesEZ_System.INI and TallyEZ_system.INI files in Program Files\Siriusware\Pool before re-installing Pool. Keep them as a reference because you may need them later if they contain unique customizations. The Pool installer overwrites these files with "clean" ones so you lose your previous settings.

- f. Run the new 4.1 Install Pool service.msi, carefully selecting the pool options that apply to your resort.
 - g. To update pool, you now have to run the update utility which there is a shortcut to in a folder on your desktop.
 - h. Open the Update Pool folder and launch the update
 - i. Start the middleware service monitor
8. Updating individual machines
 - a. Make sure you are logged in the machine as an Administrator.
 - b. Turn off User Account control if applicable.
 - c. Run the Siriusware "Update_siriusware_41.MSI " application
 - d. Launch each Siriusware application installed on that machine and it should update the application automatically.
9. Reset Maxkeys on Server
 - a. In SysManager go to Utilities, and select **Data maintenance** and select **maxkeys on Server**.

10. SysManager Global .INI path settings

- a. Check your Global .INI file in SysManager for any Path= entries that may need to be changed like the "PrintToFilePath=".

Note: Nothing can write to the Program Files directory anymore.

Known issues

The following are some known issues that have been encountered when running the updater:

- Broken shortcut – After the upgrade, the shortcut on the desktop no longer works. If you view the properties of the shortcut, the **Target** and **Start In** fields are not complete. You have to manually populate them to get the shortcut to work.
- Permission issues – After the update, Sales will not update or start properly. The permissions on the ProgramData folder are not right. The installer has been corrected to fix this. The manual fix was to grant all users full control to the ProgramData folder.
- Shortcut icon not upgraded – Although cosmetic, some people may have issues with this. If the name of the shortcut has been altered, the new shortcut icon will not replace it. You will have to manually change icons.
- Other places to look for errors – During the startup of one of the applications, you may see errors in the red, loader screen. This is the first place to start to diagnose the problem. Then check your logs, starting with Runexe application.

Changes to the E-Commerce module

Modifiers that inherit guest information from the main item will now be displayed in the shopping cart with a modified head image and text

Modifiers that inherit guest information from the main item will now be displayed in the E-Commerce shopping cart with a modified head image and text that says "Inherits guest from main item above". The displayed text is configurable using the following web.config key:

```
<add key="ItemGuestInheritsText" value="Inherits guest from main item above"/>
```

The Club Management pages can now use .NET decryption/encryption when running the Club Member Purchases Report

The Club Management pages can now use .NET decryption/encryption when running the Club Member Purchases Report. To enable this, set `<add key="EncryptReportQueryString" value="1"/>` in the web.config file for the E-Commerce pages and set `<add key="HashedStoredProc" value="1"`

/> in the `web.config` file for the Club Management pages. To continue to use the old decryption/encryption set both of the keys to "0".

Change to the Club Management pages

In order to run the Club Management Report the application pool for the Club Management pages needs to be set to Classic .NET AppPool.

URL encryption by the E-Commerce pages has changed and should now be safer and less error prone

URL encryption by the E-Commerce pages has changed and should now be safer and less error prone. This change requires clients who use hard-coded links to specific items, to update those links. To override the new default encryption scheme and fall back to the original encryption scheme, add the following key to the `web.config` file: `<add key="OldURLEnc" value = "1"/>`.

The E-Commerce default config files now get correctly built along with the E-Commerce pages

The E-Commerce default `config` files now get correctly built along with the E-Commerce pages. The default `config` files get built into a self-executable file called `E-Commerce_Pages_Config_****.exe` where `****` is the version and build number, e.g., 4101.0239. `ECommerce_Pages_Config_****.exe` contains the following files that unzip into a folder called `DefaultConfig`: `Siriusware.css`, `web.config.template`, the `template` folder which contains all of the default confirmation email templates, both text and html based, the `liability.txt` file, and the `XMLFiles` folder which contains default versions of `DCI2DCI.xml`, `dynamicControls.xml`, `MiscTables.xml`, and `StrTrans0.xml`.

When a modifier in the sale requires a guest to be attached and it has not yet been added by the user, a notification message will pop up telling the user to attach a guest when the user tries to advance to the next page from Checkout1.aspx

When a modifier in the sale requires a guest to be attached and it has not yet been added by the user, a notification message will pop up telling the user to attach a guest when the user tries to advance to the next page from `Checkout1.aspx`. In addition, the notification message will pop up if a user tries to finalize a sale from either `Checkout.aspx` or `Checkout4.asp`, and a modifier still requires a guest to be attached. Use this `web.config` setting to set the wording for the notification message:

```
<add key="GuestNotSelectedModifierMessage" value="Please add guests to all modifiers in the cart where \'Guest required!\' is noted!" />
```

If the key is not set in the `web.config` file then a default message will be displayed, "Required Guest missing, please select guest for modifier."

Using the Guest Lookup link in the page header or page footer from either Checkout.aspx or Checkout2.aspx

If an online guest uses the Guest Lookup link in the page header or page footer from either `Checkout.aspx` or `Checkout2.aspx` and a guest has not yet been set as the purchaser, that *guest lookup* will be used to set the guest looked up as the purchaser for the sale and the online guest will be returned to either the `Checkout.aspx` or `Checkout2.aspx` page depending on where they started from. If, however, a guest has already been set as the purchaser, going through the process mentioned above will simply result in an additional guest lookup, but will not replace the existing purchaser. The above actions will occur with the setting `<add key="AllowMultiLogin" value="1" />`.

When `<add key="AllowMultiLogin" value="0" />` is set, any guest lookup from either `Checkout.aspx` or `Checkout2.aspx` via the Guest Lookup link in the page header or page footer will result in the guest that was looked up being set as the purchaser, even if a purchaser has already been set.

Added new WTP reload process for Axxcess gates

A new WTP reload process was added that includes a new page, `WTPReload.aspx`. When items are configured to support a WTP reload, they can be looked up in the `WTPReload.aspx` page. If a product has valid Reload Items Available, a link is displayed to see the items on the `ItemList.aspx` page. Once an item is selected, the user is taken to the `ItemShow` page and the quantity will be forced to "1" regardless of min/max configuration of the item in `SysManager`. To use, set the following `web.config` settings:

```
<add key="WTPRegex" value="^([0-9a-zA-Z]{8})-([0-9a-zA-Z]{3})-([0-9a-zA-Z]{3})$" />
<add key="WTPItemsText" value="Items are available. Click <a href='\"ItemList.aspx? node_type=WTP\">here</a> to see them." />
```

The `WTPItemsText` setting is what gets displayed to the user when they have reload items available. It needs to have a link to `ItemList.aspx?node_type=WTP`. The rest of the text can be whatever you choose. To merge with existing pages, add the new `WTPReload.aspx` file to your pages.

New Sales Screen Action Macro that is designed to either set a single rental shop or filter the list of available rental shops to associate with a rental item when it is sold

A new Sales Screen Action Macro was designed to either set a single rental shop or filter the list of available rental shops to associate with a rental item when it is sold in the E-Commerce pages. The macro needs to be added to the **Action to execute when this item is sold on the web:** field on the **Web** tab of the Item Edit form in SysManager. It is configured as illustrated in the following examples: SETRENTALSHOP (Main Shop, Nordic Shop, Village Shop) to filter the list or SETRENTALSHOP (Nordic Shop) to select a single rental shop. This will then set the Rental Shop dropdown on the ItemShow.aspx page to either a list of shops if more than one is specified or to a single shop if only one is specified.

The ability to have a parent or guardian record their info in the guest record of a minor when they accept a liability release for that minor has been added

The ability to have a parent or guardian record their info in the guest record of a minor when they accept a liability release for that minor has been added to the E-Commerce pages. The following web.config setting is involved:

```
<add key = "MinorGuestLiabilityField" value = "notes" />
```

This sets the field in the guests table which will hold the parent/guardian information. This is optional, and when not present, the **Notes** field will be used if an item requires a liability form to be accepted, and the guest being attached to the item does not meet the age requirements of the liability form as set in the Liability Form/Paragraph Edit >> Minimum age to accept field, then the following notice will appear just below the text of the liability: "Guest is underage. A parent or guardian must accept this release." Just below the notice are three text boxes: "Parent or guardian first name", "Parent or guardian last name", and "Relationship to minor". Once these are populated and the "I have read and I accept the terms of this release" check box is checked, the "Continue" button will become active and can be clicked which writes the information into the guest record.

A new page has been created that allows Group Leaders to create their own Club Management Groups (accounts) online

A new page has been created that allows Group Leaders to create their own Club Management Groups (accounts) online. The new page is called GrpMiniCreate.aspx. This page is only distributed to clients who have purchased the Club Management application. Users can be directed to the GrpMiniCreate.aspx page via a link. The page requires the entry of the following information in order to create a new group: Group Name, Group Leader, Address, City, State, Zip code, Area Code, Phone Number, Email, Group Log-in Name, Group Leader Password, and Group Member Password. Once the fields are populated, the user clicks the **Create Group** button and an email is sent to the email address set for the group notifying the user that the group has been created. After Web Sales Host processes the request, the group is ready to be used. Below are new web.config file settings that are required for this functionality to work:

```
<!-- Set grpDCI to the DCI to use for the group creation sale - the DCI
must be padded to 30 characters -->
<add key = "grpDCI" value = "TEST          TEST          CLUBMGMTIT" />
<!-- Set grpItemTree to the name of the item tree node that you want the
group to see once the group is created -->
```

```

    <add key ="grpItemTree" value ="ClubMgmt Group"/>
    <!-- Set grpPayType to the payment type to use for the group creation sale
-->
    <add key ="grpPayType" value ="Other"/>
    <!-- Set grpAccountType to the account type to assign to the groups that
get created -->
    <add key ="grpAccountType" value="5"/>
    <!-- Set grpReturnURL to the URL that gets inserted into the group create
email, e.g., https://www.greatskiing.com/ecommerce/GrpLogin2.aspx -->
    <add key ="grpReturnURL" value
="http://localhost/clientsite4/GrpLogin2.aspx"/>
    <!--Set grpCreate to the template to email to the user when a group is
created -->
    <add key="grpCreate" value="template/CreateGroup.txt" />
    <!-- Set grpSubjectForEmail to the subject for the email that gets sent
after a group is created -->
    <add key ="grpSubjectForEmail" value ="New Group Created"/>
    <!-- Set grpMessageForMembers to the message to display once the group has
been created -->
    <add key="grpMessageForMembers" value ="Your group is being created.
Please check your email for more details."/>

```

This functionality also requires the following email templates: CreateGroup.txt and CreateGroup.html. These templates can contain the following fields which get populated when the email is generated:

```

{{club owner}} Group Leader name
{{Nick Name}} Group Login name.
{{owner password}} Group Leader password
{{member password}} Group Member password
{{url}} the URL that gets set in the "grpReturnURL" key

```

Fields in the guest record for the purchaser in an E-Commerce sale can now be handled differently from fields in the guest record for guests attached to products

Fields in the guest record for the purchaser in an E-Commerce sale can now be handled differently from fields in the guest record for guests attached to products. This is made possible by the addition of the following keys to the web.config file:

```

<add key="PurchaserDispRows" value="guest_no, first_name, last_name, address,
city, state,zipcode, phone, email, username, password" />
<add key="PurchaserEditRows" value="first_name, last_name, address, city,
state, zipcode, phone, email, cardonfile, username, password" />
<add key="ExistingPurchaserHideRows" value="" />

```



```
<add key="PurchaserForceEditFields" value="first_name, last_name, address, city, state, zipcode, phone, email, username, password" />
```

These work in the same manner as the keys `GuestDispRows`, `GuestEditRows`, `ExistingGuestHideRows`, and `ForceEditFields`, except that they only affect the guest who is set as the purchaser in the sale. These `Purchaser` keys can take the same values as the corresponding `Guest` keys. Additional configuration can be done in the `dynamicControls.xml` file. Each field/section in that file now has a `<Required_purch> . . . </Required_purch>` setting which can be set to “1” (TRUE) or “0” (FALSE). Setting this to “1” makes it so that the field will be required if the purchaser edits their guest record.

A new button will appear on either `Checkout.aspx` or `Checkout2.aspx` (when using checkout steps) when you set a purchaser. The button has the default wording of **Edit this Purchaser** which can be changed in the markup for the page. This button allows easy access for the purchaser to edit the guest record. Also, if the purchaser guest record is missing any of the fields set in the `PurchaserForceEditFields` key, the message configured with the control `asp:label id="lblFieldsRequired"` will display. The default wording for this control is "Please click on Edit Purchaser to edit all the required fields." This can be changed in the markup for the page.

Linked guest log-ins to member log-ins

Guest log-ins are now linked to member log-ins. Add this key to your `web.config` file: `<add key="GuestLoginAsMember" value="1"/>`. Also, make sure `MemberFilterDCIs` key is set and has the list of valid DCIs: e.g., `<add key="MemberFilterDCIs" value="MEMBERSHIPANNUAL FAMILY ,MEMBERSHIPANNUAL INDIVIDUAL"/>`. You will also need to set `<add key="AllowMultiLogin" value="1" />` in order for this to work.

If a guest has a valid pass defined in `MemberFilterDCIs` and both `GuestLoginAsMember` and `AllowMultiLogin` are set to "1", then a guest log-in will also work as a member log-in.

If you have both `GuestLoginAsMember` and `AllowMultiLogin` set to "1" and `<add key="MemberFilterDCIs" value="" />` (no DCIs specified), then all guests with a valid pass will be logged in as members. If you populate the `MemberFilterDCIs` key, then only guests with a valid pass from the list will be logged in as members.

The guest who is logged in can be different from the member who is logged in, so you can log-out either the guest or the member.

You can now designate which pass/membership items can be used for a member log-in

E-Commerce pages have added new functionality that allows one to designate which pass/membership items can be used for a member log-in. This is done with a new web.config file key, MemberFilterDCIs. Set the value for MemberFilterDCIs to pass/membership DCIs (padded to thirty characters) that are valid for member log-ins. Separate multiple DCIs with a comma. For example, <add key="MemberFilterDCIs" value="MEMBERSHIPMUSEUM LEVEL1 ,MEMBERSHIPMUSEUMLEVEL2 ,PASSES ADULT UNLIMITED ,PASSES ADULT LIMITED " />

E-Commerce pages now support second level modifiers

The E-Commerce pages now support second level modifiers. The web.config keys responsible for making this functionality work in the pages along with the comments about the settings are listed below.

```
<!-- Set ShowModOnMods to "1" if you want to show two levels of modifiers for
items -->
<add key="ShowModOnMods" value="1" />
<!-- Set ShowModOnModsError to text to display when the correct number of
second level mods have not been set when trying to add to cart -->
<add key="ShowModOnModsError" value="Make the right modifier selections to
get the item added to the cart." />
<!-- Use ModOnModModifierSort to specify the field from the items table and
order (asc or desc) to order Level 2 modifiers on ItemShow.aspx -->
<add key="ModOnModModifierSort" value="item asc" />
<!-- Set ShowModOnModSelectionMsg to the text to display when modifier
selection is optional -->
<add key="ShowModOnModSelectionMsg" value="Please select from the list of
modifiers" />
<!-- Set ShowModOnModMinMaxMsg to the text to display to specify the correct
number of second level modifiers that need to be selected -->
<add key="ShowModOnModMinMaxMsg" value="Please select {{minModifier}} to
{{maxModifier}} option(s)." />
<!-- ModOnModColLen is the max number of modifiers per column to display on
ItemShow.aspx - set to "0" to display single column -->
<add key="ModOnModColLen" value="2" />
```

When you have <add key="ShowModOnMods" value="1" /> set in the web.config file, and you select an item that has first and second level modifiers, you get taken to the ItemShow.aspx page. Here, selection of a first level modifier that is configured with its own modifiers, will automatically display a popup window in which the second level modifiers are displayed. Once second level modifiers are selected in the popup dialog, the user will need to click on the **Add Choice(s)/Verify Price** button in order to update the price if needed and activate the **Add to Cart** button. If other first level modifiers that are configured with their own modifiers are selected, the second level modifiers will each be displayed in the popup window. The popup window will remain displayed on the page as long as there are first level modifiers selected that are configured with 2nd level modifiers even after the **Add Choice(s)/Verify Price** button has been clicked. This allows the user to review the choices they've made before clicking the **Add to Cart** button.

Note: At this time, second level modifiers in E-Commerce module can only be configured as “Regular Item” Item Type on the **Action** tab of the Item Edit Form in SysManager. In other words, second level modifiers cannot be configured to require a guest to be attached.

Support has been added to Sales Host to allow processing of multiple levels of modifiers.

Added the ability to have items with optional guests attached

The ability to optionally allow a guest to be attached to a regular type item (item type = 1) or modifier has been added to the E-Commerce pages. The following `web.config` key is used to designate item types that you want to allow an optional guest to be attached, `<add key="OptionalGuestItemTypes" value="1"/>`. Setting the value for this to "1" will make it so that all "Regular Item" Item Types will allow an optional guest to be attached. All other item types either require a guest already or are not allowed yet in E-Commerce. Set the value for the key to "0" to not allow optional guests for regular items or modifiers.

Note: Items auto-added to the cart with a cart rule and second level modifiers will not show that optional guests are allowed (these are not supported).

In addition, editable text has been added to the cart control to indicate when a guest is required (as opposed to optional) for an item or modifier (item types 2, 3, 5).

Five new guest user defined text fields of fifty characters each are available for use in the E-Commerce pages

Five new guest user defined text fields of fifty characters each are available for use in the E-Commerce pages. The fields can be added and removed by setting `l_text1`, `l_text2`, `l_text3`, `l_text4`, `l_text5` values in `GuestDispRows`, `GuestEditRows`, `PurchaserDispRows`, and `PurchaserEditRows` keys in `web.config`.

The ability has been added to the E-Commerce pages for guests to view information about their current (non-expired) passes/memberships

Guests now have the ability to view information about their current (non-expired) passes/memberships in E-Commerce pages. This is done by adding "misc1" to the `GuestDispRows` key in the `web.config` file. Upon a verified guest lookup, a new row will be displayed on the `GuestSelected.aspx` page as a link indicating the number of current passes in the guest record. Clicking that link will display the list of current passes/memberships in the guest record. The following default information will be displayed for each pass/membership in the list: pass/membership number (pass_no from the `gst_pass` table), pass/membership

description from the items table, and pass/membership expiration date from the `gst_pass` table. Voided passes also get displayed in the list, and they have a red background, but the color is configurable in the `Siriusware.css` file using the **VoidedRow** class.

Please note that most other fields from the `gst_pass` table can be displayed using this new functionality. Please contact Siriusware Technical support for assistance in configuring this.

Guests can now only be added to items after the items have been added to the shopping cart.

Guests can now only be added to items after the items have been added to the shopping cart. There are two exceptions to this new functionality:

1. Pass/membership renewals, where the guest is added to the pass/membership automatically during the renewal process
2. Adding funds to In-House Cards (IHC) items, where again, the guest is added automatically during the process of adding funds to the card

Ability to process an `addit_no` for a pass sold through E-Commerce module has been added to Sales Host

The ability to process an `addit_no` for a pass sold through E-Commerce module has been added to Sales Host. The `<addit_no> . . . </addit_no>` tags need to be added to the `<item> . . . </item>` portion of the sale string and can either be contained within `<gst_pass> . . . </gst_pass>` tags or not. Here are a couple of examples of how this should look, the first is using the `<gst_pass> . . . </gst_pass>` tags, and the second without:

```
<sale><settlement>OTHER</settlement><item><dci>PASSES      GRPSPECIALADSPLPASS
</dci><finalprice>99.00</finalprice><validate>0</validate><qty>1</qty>
<date>01/14/2011</date><item_type>3</item_type><gst_pass><swipe_no>6035241234
567890</swipe_no><addit_no>2011011400001</addit_no></gst_pass><guest><renew>
<guest_no>2176000000</guest_no></renew></guest></item></sale>
```

```
<sale><settlement>OTHER</settlement><item><dci>PASSES      GRPSPECIALADSPLPASS
</dci><finalprice>99.00</finalprice><validate>0</validate><qty>1</qty>
<date>01/14/2011</date><item_type>3</item_type><swipe_no>6035242345678901</sw
wipe_no><addit_no>2011011400002</addit_no><guest><renew><guest_no>2176000000</
guest_no>
</renew></guest></item></sale>
```

A record of the purchaser information is now put into the sale string

A record of the purchaser information is now put into the sale string `ww_sales.Sale_text` for an E-Commerce sale when the purchaser is not required to be a guest in the database, i.e., `<add key="NoPurchTracking" value="1" />`. When the sale is processed by the Web Sales Host, the information gets written into the `salenote.Notes2` field in this format:

```
<save><first_name>Tom</first_name><last_name>Tuesday</last_name><phone>(555)
555-5555</phone><address>1234 5th Street</address><address2>Apt
67</address2><city>Santa
Fe</city><state>NM</state><zip>87555</zip><country>USA</country><email>tester
s@siriusware.com</email></save>
```

New key has been added to the web.config file that will disable any external direct links to the ItemShow.aspx page

A new key has been added to the `web.config` file that will disable any external direct links to the `ItemShow.aspx` page, `<add key="DisableDirectItemAccess" value="1" />`. When the value for the key is set to "1", users who click on any external direct link to an item will get redirected to the `ItemList.aspx` page instead.

Note: Please use caution in using this setting. If you have any **Buy Now** links for items, that takes the user to an item on the `ItemShow.aspx` page, using this key and setting it to "1" will disable those links.

Items and that require guests to be attached, will now have the guest attached after the item/modifier is in the cart

Items and modifiers in the E-Commerce shopping cart, that require guests to be attached, will now have the guest attached after the item/modifier is in the cart. To add a guest to an item/modifier or to change the guest already attached to an item/modifier, click the **head** icon or, if present, the **Add/Change Guest** link for the item/modifier and you will be taken through the guest lookup process.

Two web.config keys have been added that affect how prices and taxes display in the shopping cart

Two `web.config` keys have been added that affect how prices and taxes display in the shopping cart:

```
<add key="ShowTotalItemPriceInLineItemLists" value="0" />
```

Set `ShowTotalItemPriceInLineItemLists` to "1" to show item prices which include taxes in the cart, set to "0" to show item prices without taxes in the cart.

```
<add key="SingleTaxLine" value="0" />
```

Set `SingleTaxLine` to "1" to display taxes in the cart on one line. In other words, if you use both `tax1` and `tax2`, they will be combined into one tax total in the cart when this key is set to "1". In order for this to display properly in the pages, modifications to `cart.ascx` may need to be made.

An Ajax control has been added to the `ItemShow.aspx` page

An Ajax control has been added to the `ItemShow.aspx` page which causes a "Please Wait" message to appear along with the *graying out* of the page background whenever a post back occurs, such as, selecting a modifier, changing the quantity or selecting a date on the calendar. This will make it so that the online guest is unable to make selections on the page until it has been updated from server.

Functionality has been added to the Club Management Log-in page

Functionality has been added to the Club Management Log-in page in E-Commerce module that displays the letters of the alphabet in order as links. Clicking on one of the letters then displays all of the configured club names that start with that letter. Clicking on the club name auto-populates the **Club Name** field on the Club Management Log-in page. This avoids the need to remember the exact club name. The password then needs to be entered and the **Log-in** button clicked to complete the log-in.

To enable this functionality, add the following key to the `web.config` file:

```
<add key="ShowGroupNamesInClubLogin" value="1"/>
```

To make it so that not all accounts display to the end user, use the following `web.config` key to filter the accounts displayed to those account types that you have configured as Club Management accounts:

```
<add key="FilterByAccountTypeInClubLogin" value="2,3"/>
```

Account types can be found in the accounts table in SiriusSQL database under the `acct_type` column.

Functionality that links the States (Provinces) dropdown with the country dropdown

Functionality has been added to the E-Commerce pages that will link the **States (Provinces)** dropdown with the **Country** dropdown. When a **Country** is set first, the **State** dropdown will only list those states linked to that country. To incorporate this functionality, the `MiscTables.xml` file needs to be modified by adding a `<FK>CountryName</FK>` to each of the State/Province entries. Furthermore, you can also add a **Please Select** line tailored for each selection by adding a State entry with a value of "XX", FK with a value of the desired country, and a text value of "Select a xxx" where xxx is a state, territory, province, etc. To further enhance this functionality you could place **Country** before **State** on the `GuestEdit.aspx` page to suggest to the user that they select their country first. To enable this feature add the following key to the `web.config` file: `<add`

key="LinkedCountryState" value="1"/>. Setting the value for this key to "0" will disable this functionality.

Here is an example of how to configure the Countries and States sections of the MiscTables.xml file. This example works with the countries USA, Canada, and Mexico:

```
<Countries>
<Country> <Value>XX</Value> <Text> Select Country </Text> </Country>
<Country> <Value>USA</Value> <Text>USA</Text> </Country>
<Country> <Value>Canada</Value> <Text>Canada</Text> </Country>
<Country> <Value>Mexico</Value> <Text>Mexico</Text> </Country>
<Country> <Value>**</Value> <Text>Other:</Text> </Country>
</Countries>
<States>
<State> <Value>XX</Value> <Text>Select State</Text> <FK>USA</FK> </State>
<State> <Value>AL</Value> <Text>Alabama</Text> <FK>USA</FK> </State>
<State> <Value>AK</Value> <Text>Alaska</Text> <FK>USA</FK> </State>
<State> <Value>AZ</Value> <Text>Arizona</Text> <FK>USA</FK> </State>
<State> <Value>AR</Value> <Text>Arkansas</Text> <FK>USA</FK> </State>
<State> <Value>CA</Value> <Text>California</Text> <FK>USA</FK> </State>
<State> <Value>CO</Value> <Text>Colorado</Text> <FK>USA</FK> </State>
<State> <Value>CT</Value> <Text>Connecticut</Text> <FK>USA</FK> </State>
<State> <Value>DE</Value> <Text>Delaware</Text> <FK>USA</FK> </State>
<State> <Value>DC</Value> <Text>District of Columbia</Text> <FK>USA</FK>
</State>
<State> <Value>FL</Value> <Text>Florida</Text> <FK>USA</FK> </State>
<State> <Value>GA</Value> <Text>Georgia</Text> <FK>USA</FK> </State>
<State> <Value>HI</Value> <Text>Hawaii</Text> <FK>USA</FK> </State>
<State> <Value>ID</Value> <Text>Idaho</Text> <FK>USA</FK> </State>
<State> <Value>IL</Value> <Text>Illinois</Text> <FK>USA</FK> </State>
<State> <Value>IN</Value> <Text>Indiana</Text> <FK>USA</FK> </State>
<State> <Value>IA</Value> <Text>Iowa</Text> <FK>USA</FK> </State>
<State> <Value>KS</Value> <Text>Kansas</Text> <FK>USA</FK> </State>
<State> <Value>KY</Value> <Text>Kentucky</Text> <FK>USA</FK> </State>
<State> <Value>LA</Value> <Text>Louisiana</Text> <FK>USA</FK> </State>
<State> <Value>ME</Value> <Text>Maine</Text> <FK>USA</FK> </State>
<State> <Value>MD</Value> <Text>Maryland</Text> <FK>USA</FK> </State>
<State> <Value>MA</Value> <Text>Massachusetts</Text> <FK>USA</FK> </State>
<State> <Value>MI</Value> <Text>Michigan</Text> <FK>USA</FK> </State>
<State> <Value>MN</Value> <Text>Minnesota</Text> <FK>USA</FK> </State>
<State> <Value>MS</Value> <Text>Mississippi</Text> <FK>USA</FK> </State>
<State> <Value>MO</Value> <Text>Missouri</Text> <FK>USA</FK> </State>
<State> <Value>MT</Value> <Text>Montana</Text> <FK>USA</FK> </State>
<State> <Value>NE</Value> <Text>Nebraska</Text> <FK>USA</FK> </State>
<State> <Value>NV</Value> <Text>Nevada</Text> <FK>USA</FK> </State>
```

```

<State> <Value>NH</Value> <Text>New Hampshire</Text> <FK>USA</FK> </State>
<State> <Value>NJ</Value> <Text>New Jersey</Text> <FK>USA</FK> </State>
<State> <Value>NM</Value> <Text>New Mexico</Text> <FK>USA</FK> </State>
<State> <Value>NY</Value> <Text>New York</Text> <FK>USA</FK> </State>
<State> <Value>NC</Value> <Text>North Carolina</Text> <FK>USA</FK> </State>
<State> <Value>ND</Value> <Text>North Dakota</Text> <FK>USA</FK> </State>
<State> <Value>OH</Value> <Text>Ohio</Text> <FK>USA</FK> </State>
<State> <Value>OK</Value> <Text>Oklahoma</Text> <FK>USA</FK> </State>
<State> <Value>OR</Value> <Text>Oregon</Text> <FK>USA</FK> </State>
<State> <Value>PA</Value> <Text>Pennsylvania</Text> <FK>USA</FK> </State>
<State> <Value>RI</Value> <Text>Rhode Island</Text> <FK>USA</FK> </State>
<State> <Value>SC</Value> <Text>South Carolina</Text> <FK>USA</FK> </State>
<State> <Value>SD</Value> <Text>South Dakota</Text> <FK>USA</FK> </State>
<State> <Value>TN</Value> <Text>Tennessee</Text> <FK>USA</FK> </State>
<State> <Value>TX</Value> <Text>Texas</Text> <FK>USA</FK> </State>
<State> <Value>UT</Value> <Text>Utah</Text> <FK>USA</FK> </State>
<State> <Value>VT</Value> <Text>Vermont</Text> <FK>USA</FK> </State>
<State> <Value>VA</Value> <Text>Virginia</Text> <FK>USA</FK> </State>
<State> <Value>WA</Value> <Text>Washington</Text> <FK>USA</FK> </State>
<State> <Value>WV</Value> <Text>West Virginia</Text> <FK>USA</FK> </State>
<State> <Value>WI</Value> <Text>Wisconsin</Text> <FK>USA</FK> </State>
<State> <Value>WY</Value> <Text>Wyoming</Text> <FK>USA</FK> </State>
<State> <Value>**</Value> <Text>Other:</Text> <FK>**</FK> </State>
<State> <Value>XX</Value> <Text>Select Province</Text> <FK>Canada</FK>
</State>
<State> <Value>AB</Value> <Text>Alberta</Text> <FK>Canada</FK> </State>
<State> <Value>BC</Value> <Text>British Columbia</Text> <FK>Canada</FK>
</State>
<State> <Value>MB</Value> <Text>Manitoba</Text> <FK>Canada</FK> </State>
<State> <Value>NB</Value> <Text>New Brunswick</Text> <FK>Canada</FK>
</State>
<State> <Value>NL</Value> <Text>Newfoundland</Text> <FK>Canada</FK>
</State>
<State> <Value>NT</Value> <Text>Northwest Territories</Text> <FK>Canada</FK>
</State>
<State> <Value>NS</Value> <Text>Nova Scotia</Text> <FK>Canada</FK> </State>
<State> <Value>NU</Value> <Text>Nunavut</Text> <FK>Canada</FK> </State>
<State> <Value>ON</Value> <Text>Ontario</Text> <FK>Canada</FK> </State>
<State> <Value>PE</Value> <Text>Prince Edward Island</Text> <FK>Canada</FK>
</State>
<State> <Value>QC</Value> <Text>Quebec</Text> <FK>Canada</FK> </State>
<State> <Value>SK</Value> <Text>Saskatchewan</Text> <FK>Canada</FK>
</State>
<State> <Value>YT</Value> <Text>Yukon</Text> <FK>Canada</FK> </State>
<State> <Value>XX</Value> <Text>Select State</Text> <FK>Mexico</FK>
</State>

```

```

<State> <Value>BJ</Value> <Text>Baja California</Text> <FK>Mexico</FK>
</State>
<State> <Value>CI</Value> <Text>Chihuahua</Text> <FK>Mexico</FK> </State>
<State> <Value>DG</Value> <Text>Durango</Text> <FK>Mexico</FK> </State>
<State> <Value>JA</Value> <Text>Jalisco</Text> <FK>Mexico</FK> </State>
<State> <Value>OA</Value> <Text>Oaxaca</Text> <FK>Mexico</FK> </State>
<State> <Value>SO</Value> <Text>Sonora</Text> <FK>Mexico</FK> </State>
<State> <Value>TA</Value> <Text>Tabasco</Text> <FK>Mexico</FK> </State>
<State> <Value>VZ</Value> <Text>Veracruz</Text> <FK>Mexico</FK> </State>
<State> <Value>YC</Value> <Text>Yucatan</Text> <FK>Mexico</FK> </State>
</States>

```

Sales Host can now be configured to perform and submit an automatic closeout at a specified time each day

Functionality has been added to Sales Host that allows a closeout to be automatically submitted at a specified time of day. The functionality is activated by using the following setting in the [Preferences] section of the Sales32c.INI file for the Web Sales Host: AutoCloseOutTime=18:30 The time can be entered into this setting either using 24-hour clock time, e.g., 14:45, or by using twelve hour times with AM or PM, e.g. 2:45 PM. If Web Sales Host is busy processing one or more sales when it is time to submit the closeout, it will wait until it has completed processing of the current sale, submit the closeout, and then resume processing sales.

Functionality has been added to the E-Commerce pages to read "BadWords" to help prevent cross-site scripting attacks

E-Commerce pages have added the functionality to read "BadWords" from the web.config file (<add key="BadWords" value="SCRIPT,SELECT,UPDATE,INSERT,DELETE,REVOKE,UNION,EXEC,DROP" />) as a check on input strings from various pages. This will help to prevent cross-site scripting attacks. The default values for this setting are as shown above.

Item tree description can now be displayed for items in an E-Commerce sale when the sale is recalled at a regular salespoint

The E-Commerce pages will now add <descrip>itemtree.descrip</descrip> tags to the sale string for each item in the sale when the following is set in the web.config file: <add key="UseItemTreeDescrip" value="1" /> This will then get written into the tr_save.save_info field when Web Sales Host processes the sale. This allows the item tree description to be displayed when the sale is recalled at a regular salespoint.

Note: The item tree description can only be added to the sale string for items, not for modifiers or modifiers on modifiers.

If a guest lookup fails when using first name/last name with password or birth date verification, a new link will now appear

When performing guest lookups using first name/last name with password or birth date verification, and if the lookup fails, a new link will now appear on the `GuestSelected.aspx` page below the notification that the lookup failed. This link will allow the guest to create a new guest record.

Functionality has been added to display the guest first and last names on the liability.aspx page

E-Commerce pages have added the functionality to display the guest first name and the guest last name on the `liability.aspx` page. This feature was added in order to clarify the process of accepting a liability form for E-Commerce customers. This will help confirm that the correct guest is accepting the liability form. In order to use this functionality, add one or more of the following variables in this exact format to the desired Liability Forms/Paragraphs "Liability text" or "Liability HTML" sections in **SysManager > Item/Sales Lists**: `{{guest_name}}` , `{{first_name}}` , `{{last_name}}` , `{{age}}` .

New cart rules functionality, for example:

```
<strong>This liability release is for the following guest:
{{guest_name}}.</strong> Guest age: {{age}}<br><br>Your Desired Liability
Text Here.<br><br>Guest Name: {{first_name}} {{last_name}}
```

Note: The `{{guest_name}}` variable will display the guest first name and the guest last name. Also note that this added functionality does not work with the "old" liability form functionality that is set with the following `web.config` file settings:

```
<add key="LiabilityText" value="template/liabilityText.txt" />
<add key="LiabilityItems" value="2" />
```

New cart rules functionality allows filtering of cart rules for clients who run more than one set of pages

The following new functionality applies to clients who run more than one set of E-Commerce pages, use cart rules and want to have some cart rules work for some page sets, but not for others.

The ability to filter cart rules per set of pages is now available with E-Commerce pages. To enable this functionality add the following setting to the `web.config` file: `<add key="WebsiteID" value="main"/>` where "main" can be anything you want to call one of your sets of pages to differentiate it from your other sets of E-Commerce pages. The **WebsiteID** key is used to uniquely identify each set of pages from any others as long as the value is unique for each page set that you run. Further configuration is required in the `CartRule` table in the SiriusSQL database in order for this functionality to work correctly. For each `CartRule` in the table, you need to

enter the value of the **WebSiteID**, if you want that CartRule to execute for that set of pages. For a CartRule to run on multiple sets of pages you would enter each of the **WebSiteIDs** as a comma-separated list.

Note:

- Cart rules that don't have a site filter set in the CartRule table in the SiriusSQL database will work for all sets of pages, even if the set of pages has a **WebSiteID** value set.
- Sets of pages that don't have a **WebSiteID** value configured or are missing that setting altogether from their `web.config` file will use all cart rules.

Added display of InfoExpr column on GuestSelected.aspx

In order to help verify correct guest lookups when only a single match is found when using first name/last name lookups, the display of additional information as set with the "InfoExpr" and "InfoHeading" keys from the `web.config` file has been added to the `GuestSelected.aspx` page. To enable this functionality add the following setting to `web.config`:

```
<add key="InfoExprOnGuestSelected" value="1"/>
```

Unused years for credit card expiration date have been removed from the checkout pages

The previous **Unused years for credit card expiration dates** have been removed from both the `Checkout.aspx` and `Checkout3.aspx` pages.

A check has been added to the Checkout3.aspx page to determine if the same card is being used more than once to pay for a sale in a multi-card transaction

A check has been added to the `Checkout3.aspx` page to determine if the same card is being used more than once to pay for a sale in a multi-card transaction in the E-Commerce pages. If the same card is used more than once, the pages will combine the amounts towards the same card and make a note to the user which will be displayed on `Checkout4.aspx`, the confirmation page (either `conf.aspx` or `conf2.aspx`), and the confirmation email. The default wording of the notification "Note: Multiple amounts used by the same credit card have been combined." can be changed via a new `web.config` file setting:

```
<add key="CombinedCCText" value="Please Note: You used the same card more than once on the previous page. Multiple amounts charged to the same card have been combined."/>.
```

This will work in this manner when the same credit card or the same In-House Cards item is used more than once in a sale.

Additional phone number fields, Phone 2 and Fax, can now be displayed on the GuestSelected.aspx and GuestEdit.aspx pages

Additional phone number fields, **Phone 2** and **Fax**, can now be displayed on the GuestSelected.aspx and GuestEdit.aspx pages by adding phone2 and fax_phone values to the GuestDispRows, GuestEditRows, PurchaserDispRows, and PurchaserEditRows keys in the web.config file. Additional changes are required in the DynamicControls.xml, GuestEdit.aspx, and GuestSelected.aspx files to incorporate this enhancement as described in Updating E-Commerce from 4.0.58 to 4.1.01.

Added Extension fields to phone, phone2 and fax numbers in E-Commerce pages

Phone extension fields that go with the Phone, Phone2 and Fax phone numbers can now be displayed on the GuestSelected.aspx and GuestEdit.aspx pages by adding "ext", "ext2", and "ext3" values to the **GuestDispRows**, **GuestEditRows**, **PurchaserDispRows**, and **PurchaserEditRows** keys in the web.config file. Additional configuration is required in the DynamicControls.xml, GuestEdit.aspx, and GuestSelected.aspx files to incorporate this enhancement as described in Updating E-Commerce from 4.0.58 to 4.1.01.

Pages now have the ability to parse text from the Help field and display it on the ItemShow.aspx page

Up until now, the E-Commerce pages have had the ability to display text entered into the **Help** field on the **General** tab of the Item Edit form in SysManager on the ItemShow.aspx page. With this release, the E-Commerce pages have the ability to parse text from the **Help** field and display it on the ItemShow.aspx page. Text that is only to be displayed on the ItemShow.aspx page, for the item, should now be between <webinfo> . . . </webinfo> tags. For example, if the **Help** field contained the following:

```
<PRINTTAG>This is the stuff I want printed on the layout.</PRINTTAG>
<ANOTHERTAG>This text is for some other purpose.</ANOTHERTAG>
<webinfo><span class="smallbold">Here is what should display on the
ItemShow.aspx page.</span></webinfo>
```

then only “*Here is what should display on the ItemShow.aspx page.*” will be displayed on ItemShow.aspx, and it will be formatted as per the CSS class "smallbold". If you do not use the <webinfo> . . . </webinfo> tags, then all of the text that is entered into the **Help** field will be displayed on the ItemShow.aspx page as it has in the past.

The Client # has been added to the about.aspx page

The **Client #** has been added to the `about.aspx` page. In addition, the information that is displayed on the `about.aspx` page will now be included in error emails that are generated by the pages and sent to email addresses contained in the **AdminEmail** key in the `web.config` file.

Added sort order to Cart Rules table. Cart Rules applied in ascending order of primary key value

Sort order was added to Cart Rules table. Cart Rules are applied in ascending order of primary key value.

The E-Commerce pages can now hide the Remaining column in the ItemList.aspx page and the Remaining quantity labels

The E-Commerce pages now have the ability to hide the **Remaining** column in the `ItemList.aspx` page and the **Remaining** quantity labels for the item, modifiers and modifiers on modifiers in the `ItemShow.aspx` page while still maintaining existing Max4Sale and Points4Sale functionality. To enable this added functionality, set the following in the `web.config` file: `<add key="HideRemainingColumn" value="1" />`. To maintain existing functionality of displaying the **Remaining** column and quantity labels set that key to `value="0"`.

Any records in the ww_tix table with a fwd_status of “2” or “3” will be pruned on startup of Web Sales Host when older than a set number of days

To prevent the `ww_tix` table from growing to an unmanageable size, any records with a `fwd_status` of “2” or “3” will be pruned on startup of Web Sales Host when older than a set number of days (default thirty days). The default number of days may be changed with the `.INI` setting:

```
[Preferences]
PruneDaysTickets=number of days
```

Example:

`PruneDaysTickets=65`, means prune records older than 65 days old.

The Clickoncebutton control has been completely removed from the E-Commerce pages

The **Clickoncebutton** control has been completely removed from the E-Commerce pages. To merge this change with existing pages, see the *Updating E-Commerce from 4.0.58 to 4.1.01* document.

GuestPhotoUpload.aspx page will now display a message to the user if they try to upload a photo that is larger than 4 MBytes

The GuestPhotoUpload.aspx page will now display a message to the user if they try to upload a photo that is larger than 4 MBytes in size. The default message wording, "Image is too large to upload, please use a smaller photo less than 4 megabytes." can be overridden using the following web.config setting: <add key="Photo2LargeError" value="Image is too large to upload."/>

Enhanced reverse modifier functionality

When using Reverse Modifier functionality in the E-Commerce pages, and the Minimum and Maximum modifiers required to sell are both set to "1" for the main item (which becomes the modifier when using Reverse Modifier functionality) it is now possible to add more than quantity "1" of these items to the shopping cart. The pages will create a single line item with quantity of "1" for each item that is added in this manner. For example, if the user sets the quantity to "3" in this type of scenario, when they click the **Add to Cart** button, the cart will display with three identical line items each with quantity set to "1" instead of one line item with quantity set to "3". To use this feature, add the following setting to the web.config file:

```
<add key="ReconcileRevModsWithMinMax" value="1"/>
```

Note that this will only work when you have the min/max modifiers both set to "1".

Payment Types can now be restricted by Sales Point Type in E-Commerce pages

Payment types can now be restricted by Sales Point Type in the E-Commerce pages. This is done by selecting sales point types in the Payment Type edit form >> Sales Point Type tab in SysManager for each of your payment types, and then setting the value of **SPTType** key in the web.config file to the Sales Point Type(s) that you want to allow in E-Commerce.

For example: <add key="SPTType" value="5,10" />

An additional key has been added to the web.config file to handle situations where a guest tries to use a payment type that is not allowed. The following key is used to set the message that will display to the guest in this situation:

```
<add key="PaymentTypeNotAllowedMsg" value="This payment type is not allowed for E-Commerce sales." />
```

Default actions taken when In-House Cards items are sold

The following default actions will be taken for In-House Cards items sold through the E-Commerce pages: In-House Cards items configured to have a swipe number assigned by the system (i.e., the check box **Assign Number From Basket** is checked in the pass template) will always be force finalized. In-House Cards items configured to NOT have a swipe number assigned by the system (i.e., the check box **Assign Number From Basket** is NOT checked in the pass template) will NOT be force finalized. When loading money onto an In-House Cards item, the Debitware reload item that gets sold, as a result of this action, will always be force finalized.

Guest lookups can now be done from the GuestLookup.aspx page using username/password rather than the standard firstname/lastname lookup

Guest lookups can now be done from the `GuestLookup.aspx` page using username/password rather than the standard firstname/lastname lookup. When doing username/password lookups, the guest enters both their username and password on the `GuestLookup.aspx` page then clicks the **Look Me Up** button. To enable this functionality, add the following key to the `web.config` file: `<add key="GLUseUserID" value="1" />` The standard "First Name"/"Last Name" text prompts on `GuestLookup.aspx` can now be overridden using the following two `web.config` keys: `<add key="GLAltFNameTxt" value="Username" />` `<add key="GLAltLNameTxt" value="Password" />` The value from the key **"GLAltFNameTxt"** will override the text from the `<asp:label id="lblFirstName" runat="server" text="First Name"></asp:label>` control, and the value from the key **"GLAltLNameTxt"** will override the text from the `<asp:label id="lblLastName" runat="server" text="Last Name"></asp:label>` control.

Note: these two `web.config` keys can be used to override the text on the page whether or not you are using username/password guest lookups. Also, if you have these two keys in your `web.config` file and you set the value to blank, e.g., `<add key="GLAltFNameTxt" value="" />`, then no text will be displayed for the prompts. Therefore it is best to either leave these out of your `web.config` file or comment them out rather than blanking them out if you are not going to use them.

To make the username/password guest lookup feature consistent with other forms of guest lookups, the **I forgot my password** link will appear on the page if the entered username is associated with a guest but the password is incorrect. An **Add Without Verification** check box will appear on the page when the product being sold allows a guest to be added without verification - this will still require the user to enter the username of the guest being added, select the **Add Without Verification** check box, and click the **Look Me Up** button, but no password will be required.

New web.config setting to display alternate text when utilizing username/password guest lookups

New web.config setting was added to display alternate text when utilizing username/password guest lookups with `<add key="AllowNoVerify" value="1" />` and the user checks the **Add Without Verification** check box during the addition of a guest to an item or modifier.

```
<add key="GLNoVerifyNoResultsText" value="No match found OR this guest cannot be added without verification."/>
```

This can be used to display more meaningful text when doing guest lookups for items/modifiers that either have required fields or require a liability form to be accepted by the guest and the guest is missing this information from their guest record. In these cases the guest must be verified in order to add the required information to the guest record.

Note: Do not use this setting with `value=""` as this will make it so that no text displays to inform the guest of what to do. If you do not want to use this setting, either comment it out, i.e., `<!-- <add key="GLNoVerifyNoResultsText" value="No match found OR this guest cannot be added without verification."/> -->` or remove it entirely from your web.config file.

Dash that displays for non-Max4Sale items in the "Remaining" column can now be replaced

The dash that displays for non-Max4Sale items in the **Remaining** column on the ItemList.aspx page can now be replaced using the following web.config key:

```
<add key="NonMax4SaleQty" value="Available"/>
```

Set the value for NonMax4SaleQty to whatever you want to display in place of the dash for items with no Max4Sale capability configured. You can even set it to display nothing by configuring the key in this manner – i.e., with a space between the quotes: `<add key="NonMax4SaleQty" value=" " />`.

New web.config setting that allows for central management of the regular expression used for e-mail address validation

A new web.config setting has been added that allows for central management of the regular expression used for email address validation:

```
<add key="emailRegEx" value="^[0-9a-zA-Z]([-.\w]*[0-9a-zA-Z])*@([0-9a-zA-Z]
[-\w]*[0-9a-zA-Z]\.)+[a-zA-Z]{2,9}$"/>
```

If present in the web.config file it will override any other regular expressions that are used for email address validation in the following files: Email.ascx, Checkout.aspx, Checkout2.aspx, and

GuestLookup.aspx. You can populate it with the regular expression you want to use for validation of email addresses throughout your E-Commerce pages.

You can now override what happens when a member of the group/club logs out of the group before completing the sale

When making purchases when logged into a group or club in E-Commerce module, if the user logs out of the group before completing the sale, the default behavior for this action is to empty the cart contents along with logging the person out of the group/club. This behavior helps ensure tracking of items purchased while logged into a group or club. This default behavior can be overridden using the following web.config file setting:

```
<add key="KeepCartOnGroupLogout" value="1" />
```

Setting the value for "KeepCartOnGroupLogout" to "1" overrides the default behavior of clearing the cart on logout and keeps the cart contents intact but logs the user out of the group/club. In addition, items that are added to the cart while logged in followed by the user logging out of the group/club will still have the account name for the group or club written into the item's **Message** field. However, the group name will not get written into any of the guest records for guests present in the sale if the user logs out even if they were added to items in the cart while logged into the group/club.

Obtaining E-Commerce module performance improvements

E-Commerce module is now most often used in a web garden configuration. Under this configuration, the E-Commerce pages are installed so that by default they share a single IIS worker process. Normally one worker process is enough, but with huge volume (huge traffic to the web site) the single process can't handle the traffic and RAM use grows until E-Commerce module grinds to a halt.

More RAM on the server helps, but configuration can too. An approach that Siriusware is now recommending, is to move ww.dll to another machine running the web service (wwService). Then increase the web service helper processes to 3 - 5 processes and perform an iisreset on the pages IIS server.

Note: In exceptionally high traffic environments when the client has powerful hardware, the best performance may be obtained by installing ww.dll, the pages and wwService on one machine (using 127.0.0.1 instead of the "real" IP address).

For more information on this configuration, see:

http://portal.siriusware.com/docs/kb-pdf/Installation_and_updates/e-commerce_2010_mar_8.pdf

Changes to Print At Home Tickets module

Print At Home Tickets module now uses the new NovaPDF driver

PrintEZ now uses the NovaPDF driver instead of Amyuni to generate all PDF files. This is installed as a new SiriuswareNovaPDF printer on a salespoint by the latest CommonFiles or CommonUpdate_4101 programs. This change supports some new settings in the [Preferences] section of PrintEZ.INI:

- PDFRenderWaitMode:
 - 1 = (Default) Wait for PDF print driver to report PDF file completion before continuing.
 - 2 = Do not wait for PDF print driver to report PDF file completion (it is spooled by the Windows print spooler), except when the PDF file needs to be emailed. While this is faster than 1, use this setting with caution, as it may cause missing PDF pages or stability problems.
 - 3 = Never wait for PDF print driver to report PDF file completion (it is spooled by the Windows print spooler). While this is faster than 1, use this setting with caution, as it may cause missing PDF pages or stability problems.
- PDFRenderTimeout: Number of seconds to wait for PDF print driver to report PDF file completion. Applies only if PDFRenderWaitMode is 1 or 2. Default is 20.
- PDFMarginsTopBottom: Top and bottom page margins (in millimeters). Default is 0.
- PDFMarginsLeftRight: Left and right page margins (in millimeters). Default is 0.
- PDFVersion: PDF rendering version. Default is 4.
 - 3 = PDF v1.3 (Adobe Acrobat Reader 4)
 - 4 = PDF v1.4 (Adobe Acrobat Reader 5)
 - 5 = PDF v1.5 (Adobe Acrobat Reader 6)
 - 6 = PDF v1.6 (Adobe Acrobat Reader 7)
- PDFSilentPrint: Generate PDFs silently. Default is "Yes".
- PDFPrinterName: The installed NovaPDF Windows printer. Defaults to SiriuswareNovaPDF.

In addition to these new PDF related .INI settings, the PDFOptions .INI setting and the old SiriuswarePDF printer are no longer used. Finally, the PDFPath PrintEZ.INI setting is no longer used. The default path for generated PDFs is now specified in the [Data] section of the Sales32c_system.INI file. For example:

```
[Data]
PDFPath=C:\ProgramData\Siriusware\Sales\pah_pdfs\
```

There is also a new setting in the PrintEZ.INI file called PDFEmbedAllFonts. When set to a **YES** (default), it will allow the reading of the PDF file on a computer where the fonts contained in that PDF might not be installed.

Changes to ww.dll

A new field has been added to the "price_info" field returned by the getitemexpanded call to ww.dll

A new field has been added to the "price_info" field returned by the getitemexpanded call to ww.dll. The new field name is "dwp_ext" which is the quantity requested multiplied by the Debitware preload value.

Support has been added for nested modifiers to GetItemExpanded

Support has been added for nested modifiers to GetItemExpanded. The old syntax using the <hasmod> is still supported but deprecated. To specify modifiers, use the fields <mod1>, <mod2> etc. The data inside a <modN> tag must include <department>, <category> and <item> tags, and may optionally contain its own <mod1>, <mod2>, etc. tags.

Example:

```
<func>getitemexpanded</func>
<department>TICKETS</department>
<category>PACKAGE</category>
<item>PACKAGE</item>
<calcprice>1</calcprice>
<qty>1</qty>
<mod1>
<department>TICKETS</department>
<category>ADULT</category>
<item>1DAY</item>
<mod1>
<department>TICKETS</department>
<category>PACKAGE</category>
<item>10VOUCHER</item>
</mod1>
</mod1>
<mod2>
<department>TICKETS</department>
<category>ADULT</category>
<item>1DAY</item>
```

```
<mod1>
<department>TICKETS</department>
<category>PACKAGE</category>
<item>10VOUCHER</item>
</mod1>
</mod2>
```

In addition to the all of the old fields, each return record now includes a `parent_id` field which gives the index in the record set of its parent. If an item is a main item then it has `parent_id=-1`.

New phone and fax extension fields are now returned in the `getguest` call

The new phone and fax extension fields `address.phone_ext`, `address.phone2_ext` and `address.fax_ext` are now returned in the **getguest** call to `ww.dll`. The fields, `address.phone_ext` and `address.phone2_ext` are now returned in the **lookupguests** call to `ww.dll`. The `address.fax_ext` field is not returned with the **lookupguests** call because the `address.fax_phone` is not currently returned. The fields, `address.phone_ext`, `address.phone2_ext`, and `address.fax_ext` are correctly updated if they are included in the **modifyaddress** call to `ww.dll`.

ReplSpSuffix registry setting has been added to the Preferences section for `ww.dll`

A registry setting has been added to the Preferences section for `ww.dll`: `ReplSpSuffix=999` as a string which requires 3 digits and will be used for the generation of keys in `ww.dll`. This only works when data is being replicated and `ww.dll` has its own server data to work with. Additionally, when the data is created, the max keys in the sequence table (for that salespoint) must be set.

Changes to the Access Control module

Axess gate control

Availability of a segment with a type 3 product encoded on it will be based off of the start date plus the duration

The availability of a segment with a type 3 product encoded on it will be based off of the start date (set upon first scan) plus the duration. Also, the ability to globally enable Axess logging has been added. The following `.INI` setting is necessary to do so:

```
[Preferences]
AxessLogging=TRUE
```

The WTP number will now be forced to be upper case.

Reloading an Axxess card

To reload an Axxess card (a media-present reload), an operator can click on **Ticket Inquiry > Read RF**. When the list of previous purchases (items) associated with that card is presented, the operator can click on a **Reload** button. This will display a list of eligible reload items (eligibility is determined by the **Item/Pass Relationship** tab links). After selecting an item from this list, adding it to the sale, and finalizing the sale, the operator will be prompted to hand feed the media into the printer for encoding. The hand feed prompt includes the WTP# and guest name (if available) to ease the process for the operator when multiple media-present reloads are performed in a single sale.

Additionally, if a card does not have any segments available for encoding at the current time (the segments still have valid tickets), the operator will be notified that there are no available segments, and a WTP record will be generated for encoding by the gate once a segment becomes available (no prompt for hand-feed encoding occurs in this scenario as the gates will perform the encoding at a later time).

Additions to the Guest Lookup dialog to support Axxess

Pass Addit # to search for `gst_pass.addit_no`, `gst_pass.addit_no1`, `gst_pass.addit_no2`, `gst_pass.additchar1`, and `gst_pass.additchar2` fields, WTP# to search the `gst_pass.wtp_no` field and RF Serial # to search the `gst_pass.rfserial` field have been added to the **Guest Lookup** dialog.

Additions to the Access Search dialog to support Axxess

Swipe # to search the `access.swipe_no` field, Addit # to search the `addit_no`, `addit_no2`, `addit_no3`, `additchar1` and `additchar2` fields, WTP# to search the `wtp_no` field and RF Serial # to search the `rfserial` field have been added to the **Access Search** dialog.

Axxess serial numbers will now be based off of max keys table or WTP records

Axxess serial numbers will now be based off of the `max_keys` table for salespoint where the media was encoded, or where the WTP records were produced (Sales Host). Serial numbers on Access records will be made up of the Project #, POS # and an incrementing value between 0 and 49,999. Serial numbers on `Gst_Pass` records will be made up of the Project #, POS # and an incrementing value between 50,000 and 99,999.

Ticket/Pass Lookup dialog now allows operators to look up tickets and passes with WTP numbers or RF SERIAL numbers for Axxess gates

The **Ticket/Pass Lookup** dialog now allows operators to look up tickets and passes with WTP numbers or RF SERIAL numbers for Axess gates. When `AxessInquiry=TRUE` in the `Sales32c.INI` two additional buttons appear in the dialog, **WTP** and **RF Serial**. In addition, the **Additional#** button now allows for lookups by `addit #`, `addit #2`, `addit #3`, `additchar #1` and `additchar #2` fields of the ticket or pass item. The following changes were made to SiriusSQL application to support this functionality:

- `Wtp_no`, `rfserial`, `additchar1`, `additchar2`, all `varchar(25)` `addit_no2` and `addit_no3` both `numeric(17,0)` fields added to the `access` table.
- `Wtp_no`, `rfserial`, `additchar1`, `additchar2`, all `varchar(25)` `addit_no2` and `addit_no3` both `numeric(17,0)` fields added to the `gst_pass` table.

Support for E-Commerce apps in Axess

The following other changes have been made to the SiriusSQL database to support Axess, primarily for E-Commerce applications:

`b_instr`: added `login_no (varchar (64))`; `act_type`: added new "150-Axess Pass Encoded" and "151-Axess Pass Reloaded" activity types; `access`: added indexes on `wtp_no`, `rfserial`, `additchar1`, `additchar2`, `addit_no2` and `addit_no3`; `gst_pass`: added indexes on `wtp_no`, `rfserial`, `additchar1`, `additchar2`, `addit_no2` and `addit_no3`.

Code for integration with Axess printer

Code was added for the integration with the Axess printer. To enable the printer, the following setting must be added to the `ports.INI` file:

```
[SmartPrinter]
Port=0 <COM Port to which the printer is connected>
POS=0 <Point-of-Sale number provided by Axess>
Project=0 <Project number provided by Axess>
```

Additionally, the record can be looked up by WTP number or RF Serial number even without an Axess printer connected by adding the following setting to the `Sales32c.INI` file:

```
[Preferences]
AxessInquiry=TRUE
```

Finally, the WTP number is 64-bit by default, but can be downgraded to a 32-bit number, if necessary, by adding the following setting to the `Sales32c.INI` file:

```
[Preferences]
Axess64BitWTP=TRUE
```

Axess RFID cards can now be encoded and read using the Axess Smart Printer

Axess RFID cards can now be encoded and read using the Axess Smart Printer. The ticket/voucher layout is encoded using XML tags. The Axess printer will now be initialized if it is currently not in a ready state prior to print/read. A NULL pointer to the image was checked as well.

Added: A "swipe" can now be encoded onto Axess RFID media.

Added: A "swipe" can now be encoded onto Axess RFID media. To enable, add the following INI setting:

```
[Preferences]
AxessEncodeSwipe=TRUE
```

You must have properly segmented media and a custom Axess reader in order to successfully encode and read the custom segment. The contents of the segment can be customized by adding a <SwipeMask> setting to the layout.

Example:

```
<SwipeMask>%B<|tmp_swipe|>?;|tmp_passno|>?</SwipeMask>
```

Axess printing

The Pegasus ImagXpress control was replaced with the GDPicture control for photo rotation for Axess printing.

BatchPrint can be used to either print graphic passes OR encode Axess RF media.

BatchPrint can be used to either print graphic passes OR encode Axess RF media. The two step printing process (graphic card printing followed by prompted Axess RF encoding) does not work with BatchPrint. If two step printing is required, the most efficient process is to graphically print using BatchPrint, and then encode the cards using Sales (Ticket Inquiry à Read RF à Encode RF).

To use BatchPrint for Axess RF Encoding, start by installing BatchPrint on a PC that already has Sales and AXCoding installed. This allows BatchPrint to read from the existing ports . INI for the POS= and Project= setting, as well as use the same license key for AXCoding.

Note: It is possible to run BatchPrint on a PC that doesn't have Sales installed, but this will require another AXCoding license, and manual creation of a maxkeys table and ports . INI.

The Sales Data Path and Axxess Printer Port settings will need to be set when using BatchPrint for encoding, and the Pass Printer (for graphic card printing) will be disabled. All other settings, such as the Layout Path, Label Layout, Label Printer, and Ticket/Voucher printers can still be configured if mailing labels and/or Graphic Ticket and Vouchers will need to be printed during the batch encode process.

All other **Pass Selection** and **Passes on Reservations** can be used for batch encoding in the same manner they are used for graphic pass printing.

Notes: The batch encode process will always assume a card feed from the hopper, even if the Axxess Smart Printer layouts specify hand-feeding. The batch encode process will always assume a one-step printing/encoding process, even if the <ExternalPrint> is set to 1. Sales should *NOT* be running at the same time as BatchPrint on the same PC due to a conflict with sharing AXCoding between two applications.

Updated labels in SysManager program printing tab of item edit from "New Text Merge" to "Axxess Smart Printer"

Labels were updated in SysManager **Printing** tab of Item Edit from **New Text Merge** to **Axxess Smart Printer** to allow item configuration for Axxess SmartCard RFID printers.

Changes to ScanMan module

ScanMan module will now keep up to 250,000 bytes of an old log file

ScanMan module will now keep up to 250,000 (M or G)bytes of an old log file, instead of nuking the old log file at startup. ScanMan module properly sets date/time at startup.

Card numbers are no longer repeated due to a bug in parsing

Card numbers are no longer repeated due to a bug in parsing.

ScanMan will now make guest picture available even if scan was bad

A setting has been added to ScanMan module to make the guest picture available even if the scan was bad as follows: palw=1 in the . INI or SETPALW1 at the manual dialog or scanned will enable it. PALW stands for PictureALways.

“Freezing” Scanners using an rf reader has been fixed

A potential cause of “freezing” of scanners using an rf reader has been fixed. Trigger callbacks (to fire up the rf reader) are ignored if one is already in progress.

Birth dates can now be shown in guest info text

The ability to show birth date in guest info text (i.e. GITEXT) with *BIRTH* was added. The available items are now: *FNAME* *LNAME* *HEIGHT* *AGE* *BIRTH*, and the problem in which a random age being displayed caused by an empty age field has been fixed.

Log verbosity can now be set even with config menu off

Log verbosity can now be set even with `config` menu off. This can also be done by concatenating commands, i.e. `SETCON...; SETLOG5; SETCON` but that shouldn't be necessary. Now `SETLOG5` and `SETLOG0` can be used to turn logging on and off.

In Sales and ScanMan modules, each scan event now also includes the location and the validation result

Each scan event, **Sales > Guest lookup Pass Inquiry > Pass Information > ScanInfo** and in **ScanMan > ScanInfo**, now includes the location and the validation result ("Valid", ("Valid (rescan)" or "Invalid"). Also, if the validation performed is a multiple quantity autosale, it will also list the item(s) and quantity sold. The text passed back for Sales to display now looks like this:

```
# of Scans: 3
10/12/2009 11:52:29 1/SCAN#1 JT_AMD ADMIN Valid
(Autosold 2 1 Day Adult Ticket)
(Autosold 3 1 Day Child Ticket)
(Autosold 1 1 Day Senior Ticket)
4/11/2009 9:58:08 1/10 GATE01 GATE01 Valid (rescan)
4/11/2009 9:56:56 1/10 GATE01 GATE01 Invalid
```

Changes to GateKeeper module

Gatekeeper module now gets guest information (picture, etc.) when necessary to display it on the Gatekeeper screen

Gatekeeper module will now get guest information (picture, etc.), when necessary, to display it on the Gatekeeper screen. This is when the `[GuestInfo]` Text is set or the display area `x2` and `y2` are non- zero (real area).

For GateKeeper module, Sales will look for support files, images, in the Program Data directory first

Sales will look for support files, images, in the ProgramData directory. If they exist there, they will be used. If not, the Program Files directory will be searched for the file. If there is a subdirectory, it will be the same subdirectory in both the ProgramData and Program Files subdirectories. Local layouts defined in the [Layouts] .INI section are looked for in multiple locations.

1. ProgramData\Siriusware\Sales\
2. Program Files\Siriusware\Sales
3. LayoutPath defined in the .INI file. Zip code files will reside in the program files directory.

GateKeeper module now looks for support files, .bmp or .wav, in the ProgramData directory. If they exist there, they will be used, if not the Program Files directory will be searched for the files and used if present. If a subdirectory contains the support files, it will look in both ProgramData and Program Files for the support files in the subdirectory indicated.

GateKeeper module can now be run from a salespoint

GateKeeper module can now be run from a salespoint. To run GateKeeper module from Sales, the salespoint must be assigned a "GKS" license in **SysManager > Preferences > Salespoint Licenses**. GateKeeper module must be installed on the machine with Sales. To set up a **main action** button to open GateKeeper module from Sales use MainButtonXX=GKP. The Sales32c.INI must contain the path to the GateKeeper.exe file in the GateKeeper module directory in the [Preferences] section of the Sales32c.INI.

Example:

```
[Preferences]
```

```
Gatekeeper=C:\Program Files\Siriusware\Gatekeeper\gatekeeper.exe
```

GateKeeper module can now be configured to show a **Close** button used to turn off GateKeeper. To enable the **Close** button you must have the following setting in the [Preferences] section of the Gatekeeper.INI.

```
[Preferences]
```

```
ShowCloseButton=TRUE. False is the default.
```

When GateKeeper module is used in conjunction with a salespoint with a GKS license the GateKeeper instance does not need its own salespoint license. The salespoint= line in the [Preferences] section of the

Gatekeeper . INI does not need to correspond to an existing salespoint license and can be any value of six characters or less.

SysManager > Preferences > Salespoint Licenses now supports the new "Run GateKeeper within Sales (GKS)" license type.

Note: When using GateKeeper module in Sales, the operator must remember to close GateKeeper before returning to Sales. The penalty for forgetting is a locked up salespoint.

Configuration code logic has been added to GateKeeper module to allow manual setting of scan date and/or time as well as location

Configuration code logic has been added to GateKeeper module to allow manual setting of scan date and/or time as well as location using SETDATE and SETLOC functions either by manual entry, or scanning a barcode with SETDATE or SETLOC information. In order to display Date and Location, the Gatekeeper . INI file must be updated with new section as follows:

```
[Override]
Size=20
Font=Arial
X1=.7
X2=1
Y1=.1
Y2=.2
```

The [Override] section defines the area of the screen and font used to show the current date and/or time and location. LOC= DATE= . . . is displayed in the upper right of the GateKeeper screen with the above settings.

Use of SET commands operate as follows: SETDATE09/25/2010 8am will set the DATE & TIME for trickling any subsequent scans to the date and time scanned. The text can be any parse-able date. 2010-09-25 08:00 would work for example. If no time is specified it is assumed to be 12:00 AM of the date scanned.

SETDATE with no argument, will reset the gate back to normal mode (current date and time, and live).

SETLOC GATE9 will set the gate location, GATE9 in this case.

SETLOC with no argument, sets the location back to the default defined in the Gatekeeper . INI

It is possible to use a configuration code to enable or disable normal configuration commands, SETLOC, SETDATE and EXEC commands. To do so, the following must be added to the Preferences section of the Gatekeeper.INI:

```
[Preferences]
ConfigCode=REF
```

In this example REF is the configuration code. Scanning SETCONREF enables normal, configuration, commands and SETCON with no argument will disable them. If disabled, SETDATE etc. will not function when scanned.

GateKeeper module now runs in a manner that satisfies Windows 7 certification.

GateKeeper module now runs in a manner that satisfies Windows 7 certification. Static files are in \Program Files\Siriusware\GateKeeper and dynamic files are to be found in \ProgramData\Siriusware\GateKeeper. .INI settings are now split between \ProgramFiles\Siriusware\Gatekeeper\gatekeeper_system.INI, containing [DATA] and [SalesEZ] sections and the rest of the .INI setting residing in \ProgramData\Siriusware\Gatekeeper\gatekeeper.INI

GateKeeper module has been enhanced to allow CheckPoint logging to work with serial rotation detection

GateKeeper module has been enhanced to allow CheckPoint logging to work with serial rotation detection. The [SerialAdmit] section must be completed and connected just as if multiple admissions were being supported (so that a serial DSR is received whenever a person enters). Then, the [Checkpoint] section must be completed.

Example:

```
[Checkpoint]
SerialCheckpoint=TRUE
Name=Main
Value=IN
```

The Value of 'IN' is the default. If the Name is left blank, the Location setting is transmitted instead. Values are recorded in the checkpt file. So, all that is required is:

```
[Checkpoint]
SerialCheckpoint=TRUE
```

and the serial admit settings.

An **Entrance** button can also be configured with the following .INI setting to show in the GateKeeper dialog and can simulate the effect (used for testing only).

```
[Preferences]  
ShowEntranceButton=TRUE
```

The Entrance button can now be resized and have different text

The settings are:

```
[Preferences]  
ShowEntranceButton=TRUE  
  
[EntranceButton]  
X1=.8  
X2=1.0  
Y1=.03  
Y2=.20  
Text=Let 'em in
```

The coordinates are fractions of the dialog size. The **Entrance** button will simulate an entry through the turnstile either for serial admission or for serial checkpoint logging.

A delay was added when reading entrances from a serial checkpoint. This is configured in ms:

```
[Checkpoint]  
SerialDelay=100
```

The default is 100ms (a tenth of a second). This is used to eliminate the extraneous DSR highs generated on a turnstile rotation. If two (or more) checkpoint entries are getting generated when one person goes through, this setting may need to be increased to a half or even a full second. The danger of setting it too high is that two people could go through the turnstile and only one record be generated.

The ability to have two SerialAdmit ports was added. This allows three different channels to generate entries in the checkpt table. The additional SerialAdmit port is configured as follows:

```
[SerialAdmit2]
ComPort=11
BaudRate=9600
Parity=N
DataBits=8
StopBits=1
```

Also, the checkpoint section allows different names:

```
[Checkpoint]
Name=GT1-1
Name2=GT1-2
EntranceButtonName=GT1-E
```

These are not required, but will be used to fill in the `chkpt_name` field in the `chkpt` table in order that entries can be differentiated.

A setting was added for multiple admissions (`AdmitGoodFor=TRUE`) to disable the playing of sounds after each entry.

```
[Preferences]
AdmitNextSound=FALSE
```

It defaults to true.

The text in GateKeeper module was adjusted so that uses remaining don't move when a new scan comes in.

Replaced the Pegasus ImagXpress control with the GDPicture control for photo rotation for GateKeeper module can now set location by entering SETLOCXXX Prefixed with a % if scanned

GateKeeper module can now set location by entering `SETLOCXXX` prefixed with a % if scanned. `SETLOC` is the command and `XXX` is the location.

You can now configure how GateKeeper module reads hexadecimal

It's now possible to configure whether GateKeeper module reads hexadecimal from beginning to end or from end to beginning with the following `gatekeeper . INI` setting

```
[PiiCom]  
ReverseHex=TRUE
```

This will take RF cards hex pairs and reverse the order in which the pairs are decoded.

Example:

31E8754 becomes 54871E03

Changes to the Rentals module

RentEZ uses Printers.dbf at the RentPrintDataPath RentEZ_System.INI setting location

RentEZ uses `Printers.dbf` at the `RentPrintDataPath RentEZ_System.INI` setting location. RentEZ no longer needs to be restarted to show changes to printers or layouts done from RentPrint application.

Revised "AutoPick" algorithm

The AutoPick algorithm was revised. Guests with the most recent modification date (`date_time`) and exact name matches are now picked first.

New Sales Screen Action Macro designed to either set a single rental shop or filter the list of available rental shops

There is a new Sales Screen Action Macro that is designed to either set a single rental shop or filter the list of available rental shops to associate with a rental item when it is sold in Sales. The macro is used as follows: `SETRENTALSHOP` (i.e. Main Shop, Nordic Shop, Village Shop) to filter the list or `SETRENTALSHOP` (i.e. Nordic Shop) to select a single rental shop. This will then set the Rental Shop dropdown on the **Rental Info** tab when the item is sold in Sales to either a list of shops if more than one is specified in the macro or to a single shop if only one is specified.

The Rentals reports can now be run by summary

The Rentals Reports, Item Activity by Item and Item Activity by Day/Hour, can now be run by summary. Previously they could only be run by detail.

RentEZ now locates and reads the FileSync.INI file to determine the salespoint suffix and site id

RentEZ now locates and reads the `FileSync.INI` file to determine the salespoint suffix and site id. It assumes that this file is in the folder above the `FileSyncDataPath` set in `RentEZ_System.INI`. If the file is in an alternate location, please add a `FileSyncINIPath` in the `[Data]` section of `RentEZ_System.INI` that points to the correct folder.

Changes to FileSync application

FileSync application no longer needs to have a `sp_suffix` or `site_no` or `itemtree` specified

FileSync application no longer needs to have a `sp_suffix` or `site_no` or `itemtree` specified. It retrieves these settings from server data. It does, however, write them to `filesync.INI` in the `[System]` section for its and RentEZ's convenience.

The 4.1.01 FileSync installer now installs a default `tables.config`

The 4.1.01 FileSync installer now installs a default `tables.config` for Rentals and adds the following settings to `RunExe_System.INI`:

```
[ServiceMonitor]
IgnoreNetErrors=NO
IgnoreLocalErrors=NO
UpdatePath=[SIRIUSFSPATH]\Updates\
LocalPath=[INSTALLDIR]ServiceMonitor\
ExeName=ServiceMonitor.EXE
CompressExe=C_ServiceMonitor*.EXE
```

The **Salespoint for FileSync** dialog now displays for both Rentals and Sales installs. The installer no longer prompts for the salespoint suffix on the **salespoint for FileSync** dialog.

For FileSync sales (F&B) Installs moved `SalesProgramDataPath` setting from the `[Data]` section of `FileSync_System.INI` to the `[Preferences]` section of `FileSync.INI`.

Data entered into the **Salespoint Name** field in the **Salespoint Info** dialog is now entered into the salespoint setting in the `[Preferences]` section of `FileSync.INI`.

FileSync application generates `ready.txt`, necessary for RentEZ and TechStationPC

FileSync application, when used for Rentals module, generates `ready.txt`, necessary for RentEZ and TechStationPC.

New INI setting indicates where FileSync in Food & Beverage mode looks for the tables.config file

A new .INI setting now indicates where FileSync in Food & Beverage mode will look for the tables.config file.

```
[Preferences]
SalesProgramDataPath=
```

At startup, FileSync application will look at this location for tables.config and, if found, will copy it to its own ProgramData path. This file, then, will be used for the table configuration in ProgramData\FileSync\Data and to make sure the data versions of FileSync and Sales applications are compatible. In addition, sp_info now has a version field and the tables.config has a version tag, and FileSync application will indicate any salespoints which are not of a compatible version and give a message to restart Sales and FileSync and that if the problem persists, there is a configuration problem. The message appears in the FileSync monitor service monitor and states * Sales version doesn't match the FileSync version of the data. This could mean that the salespoints or FileSync applications need to be restarted to update or could indicate a problem with the FileSync configuration."

FileSync application will now look for tables.config in ProgramData first and then in program files

FileSync application will now look for tables.config in ProgramData first and then in Program Files, only if it isn't found in ProgramData.

In Runexe.INI file, a section called ExeArgs is now supported (only of interest internally)

What follows below was instituted, but has been removed from the 4.1.01 FileSync install. It works as advertised, but has been superseded.

In Runexe.INI file, a section called ExeArgs is now supported. This will be passed following the name of the application, the mork.bin code, and the mode (if any). This is mainly for FileSyncMonitor whose .INI section might look like this:

```
[Filesync]
EXEName=Filesyncmonitor.EXE
EXEArgs=[port]10007[/port][service]Siriusware FileSync_fb[/service]
LocalPath=C:\Program Files\Siriusware\filesync\
UpdatePath=C:\Program Files\Siriusware\SiriusFS\Updates\
CompressEXE=C_filesync_*.EXE
```



```
HelpName=Sales32C.HLP
CompressHelp=C_S_HELP.EXE
CompressMisc=C_S_MISC.EXE
InfFile=c_inf_rentals_*.exe
```

The EXEArgs here are used to specify the port and service name for the monitor to control. EXEArgs can also be specified in the Runexe shortcut. They must be in [EXEArgs] tags.

Example:

```
Runexe.exe Training [EXEArgs][port]10007[/port][service]Siriusware
FileSync_fb
[/service][EXEArgs]
```

FileSync application now generates ready.txt file when rFileSync data has been successfully built

FileSync application now generates ready.txt file when rFileSync data has been successfully built. If ready.txt is not present neither RentEZ nor Sales will run.

FileSync application now uses the Tools menu, **Show Tools** button, to set logging on and off. Also, the Main Status page, **Show File Detail** button, will only show out of date files. The **Show All Files** button is used to see all files.

- FileSync application now restarts itself if it gets an error in its connection to its local data.
- Small update problem at startup was fixed with momentary displaying files not updated.
- File locking in Sales and FileSync applications was fixed. Removed potential crash from shared data.
- FileSync application will now re-initialize if an error causes local data to be unreadable.

When installing FileSync for Food & Beverage functionality (installing FileSync for Sales) the service is now named Siriusware FileSync Sales in Windows Services. For Rentals module, the service is named Siriusware FileSync Rentals. Other settings only differ in the Filesync_system.INI referring to the paths for each instance. This allows multiple FileSync instances on the same computer if configured using the FileSync Monitor shortcut to determine which .exe file and port are to be used. This also allows the service monitor to be given startup parameters in order to instruct it which service to monitor.

Example:

```
[service]Siriusware FileSync Sales[/service][port]10007[/port]. The TcpStatusPort
must be unique for Sales and Rentals modules if running instances of both FileSync application configurations on
the same machine.
```

Sales now looks for ready.txt and not fileinfo.txt which has been superseded

Sales now looks for ready.txt and not fileinfo.txt which has been superseded.

Windows 7 certification

In order to meet Microsoft Windows 7 certification requirements FileSync application now looks for a Filesync_system.INI file and tables.config file in its local directory, usually C:\Program Files\Siriusware\Filesync. In Filesync_system.INI, it expects to find a [Data] section containing a ProgramDataPath, where the ProgramData is to be stored, as well as a DataPath setting. This is where local tables that FileSync application manages are stored. Typically this is in a directory labeled data or shared_data. Filesync_system.INI has a [Server] section containing settings for ForwardInterval, ReconnectInterval, ServerTimeout, SalesEZ, and sp_suffix. The tables.config file is usually distributed with FileSync application (for F&B it is generated by Sales; for Rentals module it is manually maintained). Filesync.INI is located in the ProgramDataPath (usually ProgramData/Filesync) and contains a [System] section with a **Status, Ready, LastUpdate, and LockKey** entry. It also contains a [Preferences] section with ItemTreeId, ItemTree, VerbosityLevel, LimitLocalItems, LimitLocalIItems, LimitLocalSpecLink, LimitLocalDCIMods, salespoint, and operator settings. Updatefilters are now set identically to the way they are set in Sales (in the [UpdateFilters] section) in the Filesync.INI file. The [RecordCounts] section is supported. This way, the tables.config can be overwritten at any time and the configured filters will remain. FileSync application will now set its itemtree based on the setting in SysManager. In order to trigger a refresh, itemtree must be deleted, however.

FileSync application now supports TCP monitoring (ServiceMonitor)

FileSync application now supports TCP monitoring (ServiceMonitor). An .INI setting in Preferences/TcpStatusPort must be set to 10006 in order to work. This will disable writing fileinfo.txt, as it is no longer needed. In addition some Microsoft .dlls must be updated for the monitor to run. When run, the Microsoft Visual C++ 2008 SP1 Redistributable Package (x86) will update the dll's. The link to this update is: <http://www.microsoft.com/downloads/details.aspx?familyid=A5C84275-3B97-4AB7-A40D-3802B2AF5FC2&displaylang=en>.

FileSync application works better with the ServiceMonitor

The LimitLocalIItems= and LimitLocalSpecLink= settings now have a default value of FALSE when used in the FileSync settings in the Filesync.INI [Preferences].

FileSync application no longer uses registry settings

Sales 4.1.01 now generates `tables.config` at startup in `C:\ProgramData\Siriusware\Sales`. This file is used in place of the `.inf` files to indicate the data structure FileSync application will use with shared data (typically F&B). Sales installs of FileSync application do not have their own `tables.config` anymore. Rentals module installs should place a default `tables.config` in the `ProgData\FileSync` directory, but F&B installs have an `.INI` setting that points to the Sales folder. FileSync application uses the `tables.config` from there, which was generated by Sales. `Tables.config` is then moved to the `C:\Program Files\Siriusware\FileSync` directory for FileSync's use. 4.0.58 Sales generates an `.inf` file, one for 32 bit, `SalesData.inf`, and one for 64 bit, `SalesData_64Bit.inf`, in `C:\Program Files\Siriusware\Sales` that implements the registry settings necessary for FileSync application to operate in Food & Beverage mode. The `.inf` file is copied to `C:\Program Files\Siriusware\FileSync` for FileSync's utilization. 4.1.01 and 4.0.58 Sales will look for `fileinfo.txt` which is created by FileSync application to determine if the shared data is ready. All other registry settings have been moved to the `Filesync.INI` and `Filesync_system.INI` files.

Auto recall is now functional when salespoints use shared FileSync data

The AutoRecall query must be in Dbase format rather than SQL format: The `Select` and `Sign` functions should not be present in the query string. The `FROM`, `WHERE` and field names are required. The table being queried must be `sh_save`. The `LIKE` operator is represented by '`$`' which uses a different argument order than other operators. The left-hand argument is the string that you are seeking, and the right-hand argument is the string or field in which you are seeking.

Example:

From the `[preferences]` section of `Sales32c.INI`:

```
AutoRecall="first_name,last_name,descrip1,orig_dt,balancedue FROM sh_save
WHERE date_time > DATETIME(YEAR(DATE()), MONTH(DATE()), DAY(DATE())-1)
.AND. '<GROUP>' $ RECALL1 .AND. '<SUBGROUP>' $ recall2 .AND. operator =
'<OPERATOR>' .AND. salespoint = '<SALESPOINT>' .AND. finalized = .F. AND
reserv_no = 0 ORDER BY balancedue DESC"
```

Details:

Functionality has been added to allow autorecall of Sales when shared data (FileSync application) is used. The autorecall query string is added to the `Sales32.INI` file in the `[Preferences]` section. This query uses Dbase format rather than SQL format. Please see following explanation and examples.

Any of the fields in the `sh_save` table may be used in the query. The contents of the specified fields are either displayed on the buttons in the button grid or as columns in the list format.

Common fields include first_name, operator, salespoint, date_time and orig_dt. Autorecall does not work for Reservations module when using shared data.

If one of the following tags is found in the query string, it will be replaced with its corresponding value when the query is executed:

<OPERATOR> , <SALESPPOINT> , <GROUP> and <SUBGROUP>

Note: The tags are case sensitive, and must be upper case.

To filter on a date field, use the DATETIME function: DATETIME(Year, Month, Day [, Hour[, Minute [, Second]]]).

- To query for all records where the DateTime field (called ORIG_DT) falls between noon and two o'clock on December 31, 2001, use the following: "ORIG_DT >= DATETIME(2001, 12, 31, 12) .AND. ORIG_DT < DATETIME(2001, 12, 31, 13, 59, 59)"
- DATETIME(YEAR(DATE()), MONTH(DATE()), DAY(DATE())) will retrieve today's date (with a default time of midnight)
- DATETIME(YEAR(DATE()), MONTH(DATE()), DAY(DATE()) - 1) will retrieve yesterday's date.

For example, to automatically generate a list of all open non-reservation sales for a given operator and group within the last 24 hours, specify the following in the Sales32c . INI file:

```
AutoRecall = first_name, descrip1, orig_dt FROM SH_SAVE where date_time >
DATETIME(YEAR( DATE( ) ), MONTH( DATE( ) ), DAY( DATE( ) ) - 1) .AND. '<GROUP>' $
RECALL1 .AND. operator = '<OPERATOR>' .AND. finalized = .F. .AND. reserv_no =
0
```

This will expand to select first_name, descrip1, orig_dt FROM SH_SAVE where date_time > DATETIME(9/30/2010) .AND. 'FOODTS' \$ RECALL1 .AND. operator = 'BOB' .AND. finalized = .F. .AND. reserv_no = 0 when the query is executed.

To add the additional restriction of the salespoint name and subgroup, add .AND. '<SUBGROUP>' \$ RECALL2 .AND. salespoint = '<SALESPPOINT>':

```
AutoRecall = first_name, descrip1, orig_dt FROM SH_SAVE where date_time >
DATETIME(YEAR( DATE( ) ), MONTH( DATE( ) ), DAY( DATE( ) ) - 1) .AND. '<GROUP>' $
RECALL1 .AND. '<SUBGROUP>' $ RECALL2 .AND.
operator = '<OPERATOR>' .AND. finalized = .F. .AND. reserv_no = 0 .AND.
salepoint = '<SALESPPOINT>'
```

Notes:

- The query does not begin with the SELECT statement. The query starts with the field names.
- The like or contains operator, "\$", uses a different argument order than other operators. The left-hand argument is the string that you are seeking, and the right-hand argument is the string or field in which you are seeking. In the above examples we are searching for all the values in the field RECALL1 which contain the current group: '<group>' \$ RECALL1. For an exact match, use the equal operator, '=': operator = '<operator>'.
- The AND & OR clauses are entered as .AND. & .OR
- TRUE and FALSE are represented by .T. & .F. Using '1' for true and '0' for false is *NOT* supported.

Sorting:

Results may be sorted by adding ORDER BY [field name] to the end of the query. Further Adding DESC will sort in descending order. Note only one field may be sorted on. For example, the following will generate a list of all, open, non-reservation sales for a given operator, group and subgroup within the last 24 hours and order the results in descending order of the BALANCEDUE field:

```
AutoRecall="first_name,last_name,descrip1,orig_dt,balancedue FROM sh_save
WHERE date_time > DATETIME(YEAR(DATE()), MONTH(DATE()), DAY(DATE())-1) .AND.
'<GROUP>' $ RECALL1 .AND. '<SUBGROUP>' $ recall2 .AND. operator =
'<OPERATOR>' .AND. salespoint = '<SALESPOINT>' .AND. finalized = .F. AND
reserv_no = 0 ORDER BY balancedue DESC"
```

To query for a blank field, you cannot compare the field to an empty string. For example, if you used the following expression:

```
MYFIELD = ''
```

The results of the query would contain records where MYFIELD is not blank. This is because comparisons are between two strings up to the length of the shorter string. Therefore an empty string, which has a length of 0, will always match the first 0 characters of a field. Instead of comparing with an empty string, you should compare the field to a blank string:

```
MYFIELD = '      '
```

Where ' ' is padded with spaces up to the length of MYFIELD.

FileSync application now supports TCP monitoring (ServiceMonitor)

FileSync application now supports TCP monitoring (ServiceMonitor). A registry setting in Preferences/TcpStatusPort must be set to 10006 in order to work. This will disable writing fileinfo.txt, as it is no longer needed. In addition some Microsoft .dlls must be updated for the monitor to run. When run, the Microsoft Visual C++ 2008 SP1 Redistributable Package (x86) will update the dll's. The link to this update is: <http://www.microsoft.com/downloads/details.aspx?familyid=A5C84275-3B97-4AB7-A40D-3802B2AF5FC2&displaylang=en>.

Support was added for Food Service mode reporting connection of salespoints. A new salespoint section on the monitor screen is now present and lists salespoint name, salespoint description and duration of connection to FileSync data. The new salespoint section is populated by a new table, sp_info, in C:\Program Files\Siriusware\Filesync\Data\sp_info.dbf. When FileSync monitor is closed, while the FileSync service is running, the operator is informed of that fact with the message, "Siriusware FileSync is running. The service will remain running with the monitor closed. The monitor may be launched at any time to reconnect to the service."

Changes to Self Entry module

Phone extension has been added to the GuestAdress.aspx page in the Self Entry pages

Phone extension has been added to the GuestAdress.aspx page in the Self Entry pages.

Add the following to the pages.xml file to show the extension text box:

```
<DynamicControls_GA>
<Name>a_Phone_ext</Name>
<WebControl>SingleText.ascx</WebControl>
<DBField>a.phone_ext</DBField>
<MaxChars>4</MaxChars>
<Columns>4</Columns>
<LabelText>Ext:</LabelText>
<LabelCSS>lblText</LabelCSS>
<Required></Required>
<RequiredText></RequiredText>
<RequiredCSS></RequiredCSS>
</DynamicControls_GA>
```

For Rentals Self Entry pages, default config files now unzip to a \DefaultConfig sub folder

For Rentals Self Entry pages, default config files now unzip to a \DefaultConfig sub folder. The web.config file contained therein is now named web.config.default.

Changes to the Food Service module

The sp_log now writes Activ_type = 2121 when a tip fails

The sp_log now writes the following when a Post Auth (tip) fails.

```
Activ_type = 2121
Tag_line = "Post Auth Failed: Type = <Card Type>, Amount = xx.yy"
Details = <XML tag of what would have gone into the cc_trans db post auth had succeeded>
```

The host_msg and proc_msg are included in the **Details Memo** field of the sp_log.

Tips are now correctly recognized when a second debit card or credit card is used as payment

Tips are now correctly recognized when a second debit card or credit card is used as payment. **Amount Due** field is now displayed correctly when paying with a debit card and adding tips.

Pop up message has been added advising if close out is attempted without payout of tips

Pop up message has been added advising if close out is attempted without payout of tips.

You can now send a remote layout to a kitchen printer that categorizes items, in the order, by Course Number

It is now possible to send a remote layout to a kitchen printer that categorizes items, in the order, by Course Number. All items assigned to **Course 1** are grouped together first, **Course 2** items after, **Course 3** next and so on. To do so, one needs the following .INI settings and a details section of the layout that resembles what is below:

```
[Preferences]
ShowCourseNumbers=TRUE    - Adds Course button to line items.
CreateGrpTrans=TRUE       - Creates a GrpTrans table necessary for grouping by course number
```

```
[Interface]
ExpandedInvoiceButtonHeight=30    - Allows adjustment in the height of line item buttons when expanded. 30 is the default
```

A new Sales Action macro can be added to an item to automatically pop the **Course and/or Seat Selection** dialog [e.g. `SELECTLAST()COURSE()SEAT()`].

An example of the details section of the layout that will group the items in the order by course number is as follows:

```
<|Details(ALLTRIM(IIF(NewCourse, IIF(course > 1, NEWLINE()+NEWLINE(), ''))+ '***  
Course: ' + ALLTRIM(STR(course, 4, 0)) + ' ***'+NEWLINE(),  
'')+IIF(NewGroup,NEWLINE()+' *-----*',  
'')+IIF(MODIFIER(),NEWLINE()+' ATTN: '+ALLTRIM(descrip)+' '+ALLTRIM  
(message),NEWLINE()+STR(DeltaQty,3,0)+' '+ALLTRIM(descrip)+'  
' +ALLTRIM(message))),TRUE, TRUE, 'GrpTrans')|>
```

If seat numbers are enabled, a table can now be split by seat number

If seat numbers are enabled, `ShowSeatNumbers=TRUE`, a table can now be split by seat number. If the number of splits is equal to the number of seats, the seats can be automatically split into individual sales using the **Auto Split All** button. In order to adjust the size of the **Seat** buttons as they appear in the split dialog, the number of columns of **Seat** buttons can be configured with the following .INI setting:

```
[Preferences]  
MaxSplitSeatColumns=6
```

If there are more seats than the specified maximum number of columns, a new row will automatically be created.

Sales Screen Action Macro "SELECTLAST()COURSE()" will now take a course number value

The Sales Action Macro "`SELECTLAST()COURSE()`" will now take a course number value and automatically populate that item with the entered course number upon adding the item to the sale.

Having `SELECTLAST()COURSE()` prompts for course number by popping the **Course Selection** dialog. Entering a course number in the macro (e.g.: "`SELECTLAST()COURSE(4)`") will automatically populate that course number for the item. The course number for that item is still changeable through the **Course Selection** button.

The operator is now warned when a remote printer is not functioning and is unable to print the receipt

The operator is now warned when a remote printer is not functioning and is unable to print the receipt. The operator is prompted if they would like to choose another printer.

New .INI setting provides a choice between a detailed and basic close-out report

The new .INI setting `ShowSystemTotal=TRUE` will give a detailed Close-Out Report. Setting this to `FALSE` will give a basic Close-Out Report.

New ability to lock the size of screens in Sales

New `s32c_Scale.INI` settings:

- - under `[interface]`, `DialogFrame=Lock` will now stop the ability to re-size dialogs in Sales
- - under `[Unlock]`, put any chosen dialog that should still have the re-size ability and have it `=TRUE`
- - under `[Maximize]`, put any dialogs you would like to see fully maximized on log in.

A tipping threshold can now be set in Sales

A tipping threshold can now be set in Sales using the following `Sales32c.INI` setting:

```
[Preferences]
TipAmountWarningThreshold=0.25
```

If it is set and the tip amount is greater than 25% the operator receives the following warning message when attempting to finalize, "Are you Sure? WARNING: You are attempting to finalize a sale with a tip greater than 25%. Proceed?"

Folders/items in the item tree can now be specified to always be at the top of each level of the item tree

Folders/items in the item tree can now be specified to always be at the top of each level of the item tree. The items must be at the top of the itemtree to perform as `Always on Top folders/items`. To designate a folder/item to always be at the top the **Always Top** check box must be checked in the **Itemtree** dialog in SysManager. Only items in the top node of the itemtree will show in each level (subfolder). If the salespoint is configured with too few buttons to accommodate the **Always at Top** folders the function is turned off.

Changes to the Charge Cards module

The **Save and Pay** button is now present in the **Credit Card Payment** dialog when `Directnet` or `CreditCheq` is used with `SaveOnCCSwipe=TRUE`

The **Save and Pay** button is now present in the **Credit Card Payment** dialog when Directnet or Creditcheq is used with `SaveOnCCSwipe=TRUE`.

Note: Against CreditCheq this functionality can only be used with credit cards and a normal swiper. A Canadian Bank Card cannot be used with an EMV pinpad since the process for using a pinpad does not allow a simple swipe to use or start the process.

Two different Canadian debit cards can be used to pay for a sale using EMV

Two different Canadian debit cards can be used to pay for a sale using the Moneris EMV payment solution.

Operators using a salespoint configured to use pinpads for CreditCheq can no longer interact with the salespoint

Operators using a salespoint configured to use pinpads for CreditCheq can no longer interact or perform any actions with the salespoint during a credit card transaction.

If a sale is to be split equally between multiple credit cards, new functionality is in place for use in the Save or Finalize dialog

If a sale is to be split equally between multiple credit cards, new functionality is in place for use in the **Save** or **Finalize** dialog. In the **Credit Card Payment** dialog there is a new button named **Split Transaction**. The operator swipes the first of the credit cards to be charged, chooses the **Split Transaction** button, enters the number of cards the sale is to be split into and chooses **ok**. The sale amount is automatically split and the **Split Transaction** button states the number of splits and the split amount, per transaction, that each card will be charged for the sale. The operator chooses **ok** for the first card and then swipes the subsequent card(s) repeating the process for each card to be charged. If the amount cannot be evenly split the last penny will go to the last card in the transaction. If cash is part of the transaction that should be entered first, the first card swiped second and continue with the other cards.

EMV, chip & Pin pinpads are supported for VersaPay/Moneris

EMV, chip & Pin pinpads are supported for VersaPay/Moneris.

The cvv2 image on Checkout.aspx and Checkout3.aspx has been updated

The **cvv2 image** on `Checkout.aspx` and `Checkout3.aspx` has been updated to include both an example of the front of an American Express card and the back of either a MasterCard or a Visa. When clicking on the **cvv2 image**, the enlarged image that displays also shows both examples.

Operators can no longer refund an amount other than the invoice amount if they have not been granted the "Sales - Allow Credit Card Overcharge Of Invoice Total" security setting

Operators can no longer refund an amount other than the invoice amount if they have not been granted the Sales - Allow Credit Card Overcharge Of Invoice Total security setting. This security setting now covers charges and refunds.

New PA-DSS tab in SysManager > Preferences > Miscellaneous

There is now a new tab, **PA-DSS**, in **Preferences > Miscellaneous** to configure various options for PA-DSS compliance. The options include:

- Pruning credit card records from `cc_trans` in local data on salespoints
- The ability to purge all Guest credit cards on file
- Pruning credit card data, `card_no`, `exp_date`, and `cardholder data`, from `cc_trans` records on the server.

Note: The new "Prune day at HH:MM credit card transaction data on Server which is older than NN days" option requires creating a SQL Server Agent job to execute the "siriusp_AutoTasks" stored procedure every fifteen minutes. See the *To set up a SQL Server Agent job* section of <http://bit.ly/bFyUn4> for instructions. It is a requirement of PA-DSS regulations to remove historical credit card data that is at least ninety days old. It is the client's responsibility to create this scheduled job in order to be compliant. Please contact Siriusware Technical Support if you need assistance.

In the "Local Sales Data" section "Prune credit card data out of local sales data every XX days" sets the number of days (min forty five days) on which records in `cc_trans` will be pruned when as old/or older than the setting.

In the "Server Data" section "Prune daily at XX:XX XM credit card transaction data on Server which is older than XX days*" will force a run of `siriusp_AutoTasks` stored procedure based on the entries in the XX:XX XM and XX days settings; if the stored procedure is set up as a job and is configured.

Note: Entering values in the SysManager form and saving set up the next day's runtime. "Last pruned on" shows the date that the setting last ran. The **Prune Now** button forces an immediate run of `siriusp_AutoTasks` and the "Purge All Guest Credit Card Numbers" immediately removes swipe data from guest records.

In addition, a new stored procedure has been added to SiriusSQL application for PA-DSS compliance, `siriusp_PruneServerCreditCardData`. This stored procedure removes historical credit card data from rows in the `cc_trans`, `sh_save` and `ww_sales` tables which are older than the number of days specified in **SysManager > Preferences > Miscellaneous > PA-DSS**. A new autotask has been added, "PRUNE CREDIT CARD DATA ON SERVER" which runs the new `siriusp_PruneServerCreditCardData` stored

procedure once daily at a user specified time. This requires creating a new SQL Server Agent job to execute the "sirius_sp_AutoTasks" stored procedure every fifteen minutes. See the *To set up a SQL Server Agent job* section of <http://bit.ly/bFyUn4> for instructions.

TenderRetail dlls for Moneris and Paymentech are now unzipped to Program Files

TenderRetail dlls for Moneris and Paymentech are now unzipped to \Program Files\Siriusware\TenderRetail\Moneris and \Program Files\Siriusware\TenderRetail\Paymentech respectively.

Sales now contains the new TenderRetail .dlls that correct the problem that occurred when using a French Debitcard and tipping over \$9.99 CAD

Sales now contains the new TenderRetail .dlls that correct the problem that occurred when using a French Debitcard and tipping over \$9.99 CAD. Previous to the new .dlls if a tip was entered over \$9.99 CAD (more than three digits) on the i3070 Ingenico pinpad the transaction was cancelled.

Sales now verifies and supports the version of Tender Retail libraries

Added check, TenderRetailLibUpdateDate.h, to sales to verify the version of Tender Retail library used is what sales is design to work with. If the .dll versions do not agree with the version specified in the file the message, "Tender Retail library version is not compatible with the current Sales version" is displayed.

Added support for multiple Tender Retail libraries. Sales currently supports two different libraries. One for Paymentech and one for Moneris. This is selectable via an .INI setting in the sales32c_system.ini file. The setting is [Server] > TenderRetailLib, it can be one of two values, Moneris or Paymentech.

There is now a VersaPay choice in the Process via dropdown in SysManager program

There is now a VersaPay choice in the **Process via** dropdown in **SysManager > Activities > Financial Lists > Payment Types > Payment Type** edit. This new payment type is device 19. This device will be used for the new Canadian credit card/debit card integration.

Card type of 'CUP' has been added to the Payment Type dialog's card type list for China Union credit card set up

In SysManager, the card type of **CUP** has been added to the **Payment Type** dialog's card type list for China Union credit card set up.

New Sales .INI settings to allow CreditCheq to work with non-Moneris processors

The following settings were added to allow CreditCheq to work with non-Moneris processors:

```
[Preferences]
UpdateCreditCheqSettings=FALSE
AllowEmptyRefundApproval=TRUE
```

The `UpdateCreditCheqSettings=FALSE` setting will not force the printing to print to file using the `MonerisReceipt.txt` filename, will not update aux info #2 with the floor limit, and will not force the protocol to 1. The `AllowEmptyRefundApproval=TRUE` setting will replace an empty approval code on refunds with "CREDIT".

Sales now deletes CreditCheq log files that have a modified date more than 90 days old

Sales now deletes `serial32_YYYYMMDD.tst` files and `CreditCheq` log files, that have a modified date more than ninety days old.

Proc_msg, proc_code, host_code and host_msg are now written to cc_trans for CreditCheq transactions

`Proc_msg`, `proc_code`, `host_code` and `host_msg` are now written to `cc_trans` for CreditCheq transactions.

CreditCheq cc_trans records are no longer written for status=3

CreditCheq `cc_trans` records are no longer written for `status=3` (failed auth attempt) if the pinpad cannot connect to the host (Moneris), or if the transaction is cancelled from the pinpad before completion.

Changes to the In-House Cards (IHC) module

Added No Luhn Check check box to SysManager

A **No Luhn Check** check box was added to the **General** Tab of the **Payment Type** dialog. This is used for credit cards, such as China Union Pay, which do not include a checksum digit in their card numbers. Sales bypasses the Luhn Credit Card Check if **No Luhn Check** is checked in the **General** tab of the payment type.

Miscellaneous changes to Sales to support IHC module

The following changes have been made in Sales:

1. An optional parameter can be added to the `OTHER ()` Sales screen action macro, to specify which tab to initially auto-select when the item is added to the Sales screen. This is accomplished by entering the number of the tab that you want the macro to auto-select. For example, `SELECTLAST () OTHER (3)` would open to the **Guest Info 3** tab when the item is added to the Sales screen.
2. When swiping an In-House Cards number that is only encoded in track 2 into the **Pass Swipe** or **Debitware** tabs, it will parse out just the card number and populate the edit box.
3. If only track 2 is encoded on a card, Sales will check to see if it matches a payment type when swiping in the **Finalize** dialog.

In-House Cards items can now be a maximum of nineteen digits instead of sixteen digits

In-House Cards items can now be a maximum of nineteen digits instead of sixteen digits.

Changes to the Kiosk module

Sales Action Macro `DISPLAY ()` now able to be used in Kiosk mode

Sales Action Macro `DISPLAY ()` now able to be used in Kiosk mode.

Changes to the Dynamic Pricing module

New Dynamic Pricing rule: `IGNOREQTYMULT()`

A new Dynamic Pricing rule was added, `IGNOREQTYMULT ()`, which instructs the parser to ignore the implicit multiplication by quantity. `IGNOREQTYMULT () SETPRICE (80)` would let the item have a price of eighty regardless of quantity. This allows the final price of an item, after quantity is applied, to be more strictly controlled. Also, this causes rounding following the application of a special to be applied to the extension price. For example, the final price after being multiplied by quantity. Modifiers are always added to parent items in the quantity of the parent item.

An autosold item can now be prevented from being put on account

An autosold item can now be prevented from being put on account by using `MACRO2 (NOACCOUNT ())` as a Dynamic Pricing rule attached to the item.

Note: Since this is set as a Dynamic Pricing rule, the original pricing of the item will not be honored when scanned through GateKeeper module. The item will still be autosold but the amount sent to the autoscan invoice will be \$0.00.

Changes to the Memberships/Passes module

When SetPass is performing a validation and the validation template specifies a Revenue Recognition rule, SalesEZ application now checks the SiriusUtil.DLL file

When SetPass is performing a validation and the validation template specifies a Revenue Recognition rule, SalesEZ application now checks that the `SiriusUtil.DLL` file (which is necessary for Revenue Recognition) is available. If it is not, SalesEZ application will now return an invalid message, "314 - Configuration error. SiriusUtil.DLL is not available."

If a validation needs to perform Revenue Recognition via the `SiriusUtil.DLL`, it is now performed at the beginning of the validation process instead of at the end. If the Revenue Recognition process reports an error, the user will be notified with the message, "Pass is good but Revenue Recognition could not be processed". The message will also include the error message from the DLL. Validation will be halted and not take place.

Two new `.INI` settings in the [Preferences] section of `SalesEZ.INI`:

`MinRevenueRecognitionTransactions` = NNN (defaults to 0 if not present)

`MaxRevenueRecognitionTransactions` = NNN (defaults to 9999 if not present)

If a validation scan needs to perform Revenue Recognition, these are the minimum and maximum number of revenue recognition transactions you would expect to be created, depending on how you set up your revenue rules. If the number of created transactions falls outside of this range, the validation will not take place and a new "114 - Error In Validation Revenue Recognition" activity log record will be created in the `acc_actv` or `gst_actv` tables. Even though the validation did not take place, SalesEZ application will still return the message, "OK (Pass is good but Revenue Recognition did not generate the expected number of revenue transactions)" to the calling scanner so as not to interfere with the guest access.

If a validation needs to perform Revenue Recognition but the "`MaxRevenueRecognitionTransactions`" `.INI` setting is set to zero, then Revenue Recognition will NOT be performed, regardless of the fact that the pass template is configured to perform revenue recognition. This is useful for a situation where all scanners using this

SalesEZ application are at locations that you are certain, will not require revenue recognition (but will need it at other locations using a different SalesEZ application).

If a 114 log record is created because the expected number of revenue transactions were not generated (based on the min and max range .INI settings), the tag line in the 114 log record will now contain the number which were generated, in the form **NNN Transactions**.

Passes with future start dates now display status as "pending"

Passes with future start dates now display status as **pending**. The pass status will become **active** on the appropriate start date. The **Pass Inquiry** dialog now has default sorting by descending expiration date (showing active and pending passes at the top) but is still sort-able by any chosen header.

Passes to print can now be filtered by 'Sold On' using both date and time

Passes to print can now be filtered by **Sold On** using both date and time. The date can now be selected through the calendar, however date and time information can still be entered manually.

The Pass Information dialog will now automatically close after Print Pass and Exchange

The **Pass Information** dialog will now automatically close after Print Pass and Exchange. It will remain open for all other functions (e.g. Scan History, Modify Pass, etc.)

Multiple segments encoded on a single piece of media that are different items can now be successfully exchanged

Multiple segments encoded on a single piece of media that are different items can now be successfully exchanged.

Adding <ClearMedia>1</ClearMedia> to a layout will now correctly cancel all valid segments

Adding <ClearMedia>1</ClearMedia> to a layout will now correctly cancel all valid segments.

New validation options

SalesEZ application can now support validating at the salespoint, through a DCI, and validating through ScanMan or GateKeeper, self-validating modules, when the validation template is set to "Shift = 1 Day" in the **AutoSale Options** tab of the validation template. This is accomplished by using the .INI setting in the

SalesEZ.INI of AllowScannerValidationIfSalespointValidatedThisShift=YES in the [Preferences] section of the .INI. With this setting, SalesEZ application will treat both validations, the first, at the salespoint and the second validation, through ScanMan or GateKeeper modules, as the first of the day. This allows for the two validations to be treated as the first validations of the day and increments both of the respective validation values. The default setting is **NO**, and if the .INI setting is absent or set to **NO**, the expected behavior will be observed.

ZBRUHFRReader.dll has been updated to the latest version for RFID printing with the Zebra P330i printer

The ZBRUHFRReader.dll has been updated to the latest version for RFID printing with the Zebra P330i printer.

Memberships that are determined to be renewals or rejoins will now be seen in the Pass Activity Report

Memberships that are determined to be renewals or rejoins will now be recorded in the Guest Activity Table and seen in the Pass Activity Report. A membership is determined to be a renewal if it is still active or if it is still within the renewal window set on the item's **Fundraising Interface** tab. A membership is determined to be a rejoin if it is no longer active and is beyond the renewal window set on the item's **Fundraising Interface** tab.

Note: Currently in order to trigger a **rejoin**, the item doing the validation must have a non-zero value in the Extend expiration date (days) field of the validation template. This will have an effect on the valid date range for the membership. Keep this value at '1' and uncheck **round to end-of-month** in order to minimize the impact.

Note: Two new activity types added to Act_type table: "102-Renew Pass" and "103-Rejoin Pass"

Sale History and Guest Info buttons are now available on ticket and pass inquiries

Sale History and **Guest Info** buttons are now available on ticket and pass inquiries.

In Sales and ScanMan modules, each scan event now also includes the location and the validation result

Each scan event, **Sales > Guest lookup Pass Inquiry > Pass Information > ScanInfo** and in **ScanMan > ScanInfo**, now also includes the location and the validation result ("Valid", "Valid rescanned" or "Invalid"). Also, if the validation performed is a multiple quantity autosale, it will also list the item(s) and quantity sold. The text passed back for Sales to display now looks like this:

```
# of Scans: 3
10/12/2009 11:52:29 1/SCAN#1 JT_AMD ADMIN Valid
(Autosold 2 1 Day Adult Ticket)
(Autosold 3 1 Day Child Ticket)
(Autosold 1 1 Day Senior Ticket)
4/11/2009 9:58:08 1/10 GATE01 GATE01 Valid (rescan)
4/11/2009 9:56:56 1/10 GATE01 GATE01 Invalid
```

Pass Inquiry is now available from the Add Guest? button on the line item

When adding a guest to a line item through the **Add Guest?** button of the item buttons, **Pass Inquiry** is now available and functions as it does in regular **Guest Lookup** from the Sales main action button.

Guest photo, name, and birth date (if available) will be displayed for the time specified in the GuestPhotoVerifyTimeout setting.

When a %E, %A, or %X swipe is received and GuestPhotoVerify=TRUE, and the guest linked to the pass has a photo, the guest photo, name, and birth date (if available) will be displayed for the time specified in the GuestPhotoVerifyTimeout setting.

Note: the %X loyalty swipes include the text, "Loyalty information received for..." in order to maintain the functionality of the previous loyalty swipe display. If there is no photo for the guest, the existing loyalty display is still presented (the display that requires the operator to click **OK** to exit the dialog).

Changes to the Private Instruction and Activity/Facility Scheduling modules

Better control when logging in with a swipe

Better control is now provided when instructors and operators log in with a swipe

- Swipe logged Instructors cannot access SysManager, Sales, ReportManager or PayManager programs, only SeeBooks application
- Swipe logged Operators cannot access SeeBooks application, only SysManager, Sales, ReportManager and PayManager programs

Changes to the Folio Charge module

Folio Charge Report changes

Cosmetic changes (logos, fonts, and colors) were made to be consistent with other 4.1.01 applications and reports. Data selection criteria were enhanced to allow smart dropdown functionality.

Changes to Folio Charge installer

The Folio charge installer now:

1. Names the Folio Charge install directories FolioCharge rather than PMS
2. Produces default .INI files with comments written into them correctly so they don't interfere with parameters
3. Removes the extra slash from the local path written in runexe_system.INI

```
ProgramDataPath=C:\ProgramData\Siriusware\FolioCharge\
```

Changes to the Reservations module

The csrTrans and csrTransGuest tables are now accessible to confirmation letters

The csrTrans and csrTransGuest tables are now accessible to confirmation letters in Sales and are located in the ProgramData\Siriusware\Sales\Data folder.

ConfigManager utility will now prompt for an administrator password when User Account Control is activated

ConfigManager utility will now prompt for an administrator password when User Account Control is activated and a user without administrative rights is trying to run the program. ConfigManager utility is primarily used when implementing confirmation letters.

Grand totals for amount paid, and balance are now available at the end of the Reservations Report

In ReportManager, grand totals for amount paid, and balance are now available at the end of the Reservations Report.

SysManager > Preferences > Reservation Headers no longer has a "blank" first page

SysManager > Preferences > Reservation Headers no longer has a "blank" first page. When editing, there is now a **Captions** and **Required Fields** tab.

Fields from Accounts, Guests, Invoices, and Address tables are now available to add and display in the Reservation Recap dialog

Fields from **Accounts**, **Guests**, **Invoices**, and **Address** tables are now available to add and display in the **Reservation Recap** dialog.

Account description field is displayed when reservation is recalled

The **Account Description** field is displayed when a reservation is recalled. When recalling a reservation charged to an account, if you click the **Lookup** button in the Reservation Header or the Global **Account** button for the sale, the **Account Selection** dialog that appears will now have the account that the reservation is charged to, already pre-selected for easy modification if necessary.

Changes to the Group Scheduling module

Group Scheduling Reporting Services Reports have been updated for 4.1.01

These new reports have enhancements that handle the new functionality of multi-day and multi-event reservations. Any client wishing to use the new multi-day/multi-event ability in Group Scheduling module should use these new reports.

Adding "used resources" to the filter in the calendar will display only used resources

Adding "used resources" to the filter in the calendar will display only used resources. All resources without bookings are removed.

Group Scheduling resources can now be shared across different event types and locations

Group Scheduling resources can now be shared across different event types and locations. Once a booking is made for one of these shared resources, the booking is visible in the schedule for any of the other events/locations that may also use that resource. A note will be seen on the booking, stating if it is booked either at a different event, or at a different event and location.

Adding reports available at the salespoint

To add reports available at the salespoint, add the following .INI setting to either local or global .INI:

```
[ReportingServices]  
ReportServer=  
ItemDetailsReport=  
CustomReports=
```

Both ItemDetailsReport and CustomReports are semi-colon, delimited lists.

The report names entered under ItemDetailsReport will be available when specific parameters are passed. These reports are seen when right clicking on item and selecting the **View Details** button. If there is only one report entered through the .INI, you will be taken to that report. If more reports are available, you will be offered a list and then you may select the report desired.

The report names entered under Custom Reports will be available at any time regardless of parameters. This option will bring up a list of Reporting Services Reports (based on the names entered in the .INI) and then the operator may select desired criteria to view the report.

If a main button is desired for custom reports on the salespoint, add "=RPT" to whichever main button selected. If it is not a main button, **Custom Reports** button will still be seen under **Tools > Action**.

"Restrictions" are now called "Recurring Resource Bookings"

What were previously listed as Restrictions are now called Recurring Resource Bookings and now have greater scheduling options.

To schedule a Recurring Resource Booking, while in the Group Scheduling calendar on the day or week view, right-click and select **Restrictions** from the list of options. This will bring up the **Recurring Resource Booking** dialog.

Select the desired resource from the drop-down.

Note: This drop-down will be filtered if you have selections already filtered from the calendar. If you do not wish for this drop-down to be filtered, please verify that “all locations” and “all events” are populated prior to opening the **Recurring Resource** dialog.

Select the start and end time you want to schedule, then which **Recurrence Pattern** you would like from the radio button options.

The options are now:

- **Single** - This will book a resource just for that one day and time selected.
- **Daily** - You can select whether the resource should be booked every day, or every * days, or every weekday.
- **Weekly** - You can select whether your event should recur every week or every * weeks, and you can select which days of the week that resource should be booked.
- **Monthly** - You can select which day (enter the day of the month you would like, e.g. "10") of every month or every * months. Or, you can select from the different pre-populated drop-down options if selecting the second check-box under the monthly option.
- **Yearly** - You can select whether you want the booking to recur every year or every * years. You can select which month and day for the booking (from the first check-box option), or from the second check-box, you can select from the pre-populated options.

For any of the options, you must select your start and end dates. Once this is done, you will see the number of occurrences for this booking. Or, if you know the number of occurrences you would like, you may enter that number and the end date will automatically adjust.

The memo field for **Reason** has been expanded. Feel free to explain the reason for the recurring resource booking in as many or few words as you like.

You can also now optionally block or “black-out” a resource using the **Prevent Any Other Bookings of This Resource During This Time** check-box. If this box is checked, you will not be able to book that resource for reservations during the same day and time. The operator will receive a message that the booking attempted conflicts with a blacked out item.

Please remember to add the recurring resource booking to your list by clicking on the **Add** button.

You can edit your recurring resource booking by selecting the chosen booking from the listing within the **Recurring Resource** dialog, or by right-clicking on the **Booking from the Calendar** and selecting **Recall**.

The process of deleting reservations or resources in Group Scheduling module is much cleaner

The process of deleting reservations or resources in Group Scheduling module is much cleaner. The operator can delete resources, but once the last resource is deleted, they will be warned that deleting the last resource will also void the reservation. If this is desired, proceed with the deletion. If it is not, cancel out, book another desired resource and then delete the unwanted one. If the entire reservation should be deleted, the operator can select the **Event** box on the left, right-click, and select **Delete**. This will delete the reservation along with all attached resources.

Group Scheduling module now supports adding multiple days, locations, and event types to the same reservation

Group Scheduling module now supports adding multiple days, locations, and event types to the same reservation. All resources will be linked to the same reservation regardless of location, event type, or day. The reservation header arrival/departure, date and time will reflect the start time of the earliest booked resource and the end time of the last booked resource.

To book your reservation with this new functionality:

1. Select an **Event Type** and **Location**
2. Drag an event booking onto the calendar within the **Day** view
3. Complete the required Reservation Header fields when prompted
4. Book resources for that day as appropriate
5. If you need to book a resource that is listed for a different Event Type or Location, simply change your selections and book the additional resources.
6. If you need to book resources for another day, simply go to another day and book the resources.

Moving Group Scheduling reservations using the 'move to' date tool, now also updates the global date with the new reservation date

Moving Group Scheduling reservations using the **Move To Date** tool, now also updates the global date with the new reservation date.

The end date and time of Group Scheduling resources can now be printed on confirmation letters

The end date and time of group scheduling resources can now be printed on confirmation letters. This is done by using the `ret_date` field from the `tr_save` table.

In Group Scheduling, the drop-down options for locations and event types will now stick on the last ones used

In Group Scheduling, the drop-down options for locations and event types will now stick on the last ones used until **All Event Types** is re-selected. If you would prefer to have the default always go to **All Locations & All Event Types**, you can add that to either your local or global `.INI`.

It would look like this:

```
[GroupScheduling]
Enabled=TRUE
DefaultLocation=All Locations
DefaultEvent=All Event Types
```

Resources can now be assigned to any event regardless of location

In Group Scheduling module, resources can now be assigned to any event regardless of location. This will allow resources to be applied to multiple events and locations. If a resource is already booked at a different location and/or event, the booking will be visible in the schedule for all events that share it, and it will have a message noting if it is booked at a different event or different location and event. Additionally, a warning message will pop when attempting to double-book a resource. You may select either 'ignore' to continue with the double-booking, or select 'correct' to select a different time that would not create a double-booking.

You now have the option to set a default Location and Event in the Group Scheduling calendar

One now has the option to set a default Location and Event in the Group Scheduling calendar. To do this, add:

DefaultLocation= and DefaultEvent= to the Group Scheduling section of your preferences. This can be done either in your local or global .INI.

It will look like this:

```
[GroupScheduling]
Enabled=TRUE
DefaultLocation=Museum
DefaultEvent=Indoor Education
```

There is now a list view option for viewing the selected month's reservations

There is now a list view option for viewing the selected month's reservations.

If an item has a time span associated with it, that time span will be respected and input into the group schedule

If an item has a time span associated with it, that time span will be respected and input into the group schedule. To have flexible booking times, leave the time span empty for the item.

Miscellaneous changes

Voided resources no longer appear under **Resource Detail** on the Group Scheduling Reservation Detail Report. Currency symbols are removed from reports for better international compatibility. The date formatting on the

reports can now be adjusted by changing the language setting within the rdl by adding a language tag with the appropriate language. For example, adding <Language>en-AU</Language> after the </body> tag will change the date style to reflect Australian format.

Changes to the Retail module

The Sales By Weight Report is now available

The Sales By Weight Report is now available to track sales of items whose pricing is based on weight.

The Receiver Report has been updated

The Receiver Report has been updated to include a vast quantity of fields:

The following fields are now selected and use the:

`i = i_invent`

`it = items`

`mi = i_items` (mi is short for "Matrix Item")

`h = i_po_hdr` (purchase order header)

`v = i_vendor` (vendor hooked up to the PO)

`l = i_location` (that is a lower case L)

```
i.date_time, i.department, i.category, i.item, i.quantity, i.unit_cost,
i.invent_id, i.trans_type, i.ref_no, i.locatn_id, i.[message], i.exportd_on,
isnull(mi.vpartno, it.vpartno) as vpartno, isnull(mi.descrip, it.descrip) as
descrip, isnull(mi.barcode, it.barcode) as barcode, isnull(mi.upc, it.upc)
as upc, isnull(mi.vendor_1, it.vendor_1) as vendor_1, isnull(mi.vendor_2,
it.vendor_2) as vendor_2, it.monday_0 as price, it.gl_no, it.user_code,
it.price_type, it.tax_rate, it.tax_rate_b, it.cust_tax, it.cust_tax_b,
it.keycode, it.keydescrip, it.reorder_pt, it.target_qty, isnull(mi.descrip,
'') as m_descrip, isnull(mi.stock_loc, '') as stock_loc, isnull(mi.store_id,
0) as store_id, isnull(mi.curr_cost, 0.0000) as curr_cost,
isnull(mi.reorder_lv, 0) as reorder_lv, isnull(mi.target_lvl1, 0) as
target_lvl1, isnull(mi.lead_time, 0) as lead_time, isnull(mi.min_ord_lv, 0) as
min_ord_lv, isnull(mi.vend_disc1, 0) as vend_disc1, isnull(mi.vend_disc2, 0)
as vend_disc2, isnull(mi.user_int1, 0) as user_int1, isnull(mi.user_code1,
'') as user_code1, isnull(mi.user_code2, '') as user_code2,
isnull(mi.user_num1, 0) as user_num1, mi.last_order, mi.last_sales,
```

```

mi.start_sale, isnull(v.full_name, '') as full_name, isnull(v.e_mail, '') as
e_mail, isnull(v.contact, '') as contact, isnull(v.[address], '') as
[address], isnull(v.address2, '') as address2, isnull(v.city, '') as city,
isnull(v.[state], '') as [state], isnull(v.zip, '') as zip,
isnull(v.country, '') as country, isnull(v.area_code, '') as area_code,
isnull(v.phone, '') as phone, isnull(v.tier, 0) as tier, isnull(v.number_1,
0) as number_1, isnull(v.number_2, 0) as number_2, isnull(v.number_3, 0) as
number_3, isnull(v.number_4, 0) as number_4, isnull(v.number_5, 0) as
number_5, isnull(v.text_1, '') as text_1, isnull(v.text_2, '') as text_2,
isnull(v.text_3, '') as text_3, isnull(v.text_4, '') as text_4,
isnull(v.text_5, '') as text_5, isnull(v.externalid, '') as externalid,
cast(isnull(v.check_bx1, 0) as bit) as check_bx1, cast(isnull(v.check_bx2, 0)
as bit) as check_bx2, cast(isnull(v.check_bx3, 0) as bit) as check_bx3,
cast(isnull(v.check_bx4, 0) as bit) as check_bx4, cast(isnull(v.check_bx5, 0)
as bit) as check_bx5, v.date_1, v.datetime_1, isnull(h.internl_po, 0) as
internl_po, isnull(h.externl_po, '') as externl_po, isnull(h.sales_tax,
0.0000) as sales_tax, isnull(h.ship_hndl, 0.0000) as ship_hndl,
isnull(h.misc_chrg, 0.0000) as misc_chrg, isnull(h.ship_via, '') as
ship_via, isnull(h.[status], '') as [status], isnull(h.fob, '') as fob,
isnull(h.terms, '') as terms, isnull(h.savercvloc, 0) as savercvloc,
cast(isnull(h.nobackord, 0) as bit) as nobackord, h.date_expct, case when
it.i_matrix = 1 then 'M' else case when it.inventory = 1 then 'I' else 'O'
end end as invt_type, isnull(l.descrip , space(25)) as location

```

Item description and vendor information now appear on the Special Orders Report for unprocessed special orders

Item description and vendor information now appear on the Special Orders Report for unprocessed special orders. This will work for both saved and finalized sales, but a guest must be associated.

The ability to select multiple matching records for Vendor Part No search in the Items form has now been added

The ability to select multiple matching records for Vendor Part No search in the Items form has now been added.

The FIFO method of cost calculations has been added to Inventory functionality

The FIFO method of cost calculations has been added to Inventory functionality. It can be set as the calculation method in Preferences > Inventory > Closing Cost Calculation Algorithm. When set to FIFO the Unit Cost of an item in Inventory Lookup will reflect the FIFO method.

Cost of Goods can now be calculated using the FIFO method. To use FIFO for calculating costs: In Inventory reporting FIFO must be selected in **SysManager > Preferences > Inventory > Closing Cost Calculation Algorithm**.

New warning message: "Re-order level is not set for all items."

When in a Purchase Order and checking the Suggested Reorder Level for a matrix item in Matrix View, if all of the matrix items in that department, category and item do not have reorder levels entered, the operator will receive the message, "Re-order level is not set for all items. The operator needs to set re-order level item in order to use 'suggest re-order' functionality". This has been instigated to prevent improper display in the **Suggested Reorder Level** dialog and to assure that valid values are achieved when running the Reorder Report. The Target Level selection now computes the target level correctly following this equation, Target Level minus On Hand minus On Order. If the equation returns a negative value the Target Level is returned as 0.

Sales now supports the Salter Brecknell Series 200 floor scale

Sales now supports the Salter Brecknell Series 200 floor scale. The following is necessary in `Ports.INI`

```
[Scale]
UseScale=TRUE
ScaleType=SalterBrecknell
ComPort=1
Timeout=3000
BaudRate=9600
DataBits=8
StopBits=1
Parity=None
```

ScaleType is either Avery or SalterBrecknell. If it's not specified, it's assumed to be Avery.

The **NumUnits** and **UnitID** fields have been added to the `AllTrans` table and can be used in a `Details` statement for printing the weight and weight units on a receipt when using a scale. Additionally, the `transact`, `tr_save`, and `units` tables are synced in the `Details` method.

Quantity On Hand Report > Additional Filters tab, vendor filter now fills in the "Through" value

Quantity On Hand Report > Additional Filters tab, vendor filter now fills in the **Through** value after the first value is chosen.

Changes to SysManager interface for Retail module

SysManager > Preferences > Miscellaneous has been changed a good deal. **Item edit > Inventory > Options**, inventory item **Options** check boxes changed into a radio button set instead to prevent unpredictable behavior when clicking back and forth between tracking and matrix check boxes rapidly. **Item edit > Inventory**, the **Select a Field to View** pull-down on the **Inventory** tab is now enabled in *Read-Only* mode so you can view other statistics about the item without switching to Maintenance mode. Duplicating a matrix item will now properly allow changes to the **Inventory** tab's **Options**, **Class** and **Template** fields. There is now a new preference in **Prefs/misc** to allow the choice of how you want the SysManager to behave when duplicating items. By default it will not clear the **NickName**. You can choose **Never**, **Always** and **Only if the item is tracking or matrix**. The **Prefs/Misc** screen was reworked to make it a bit more clean and resizable with resizing controls. A fix was made to the bug causing the message, "Expression is invalid. Use a valid expression for DYNAMICBACKCOLOR property" when editing two items simultaneously, and switching from a **Matrix Inventory** tab in one item to a **Tracking Inventory** tab on the other.

Speed of adding a real-time inventory item to the Sales invoice is now faster

Adding a real-time inventory item to the Sales invoice is 33% - 50% faster than in previous versions.

Changes to the SimpleCharge module

Tipping is now activated on SimpleCharge salespoints when Tips=True

Tipping is now activated on SimpleCharge salespoints when **Tips=True**. Because a sale must first be saved for tipping, the **Save/Recall** button is now also active on Simplecharge salespoint. A user can swipe a credit card, enter an amount and choose **Hold for Tip**. Doing so will save the sale with the amount entered charged to the credit card. The sale can then be recalled and a tip added and finalized. Alternatively, the user can choose the **Charge** button, enter an amount and choose **Hold for Tip**, and swipe the credit card. The sale is saved and can then be recalled to add the tip.

When the **Save/Recall** button is in save mode (an order is showing in the invoice area) the **Save** button displays **Hold for Tip** instead of **Save**. Recalling of Sales is always an auto-recall of open charges from that day.

Changes to the Ticketing module

Added Smarter Logging to SalesEZ application

Smarter Logging was added to SalesEZ application. The addition of a file, `_LogDirectives.txt`, in the appropriate `ProgramData\Siriusware\Pool\EZ` folder with proper configuration will allow a filtered

logging capability. It is possible to set SalesEZ's verbosity to zero, and still get a verbosity 5 log based on an expression, for certain salespoints or certain operators or even certain function calls. Additionally, a new streamlined log type can be enabled to capture statistics for length of time spent on calls, waiting for SQL Server and logging. Instructions for using this will be provided in a separate document

4058Logging_options_in_SalesEZ and 4101Logging_options_in_Middleware.

When killing an instance of an EZ from the service monitor doing so will no longer kill the SQL connection for the other live instances.

All log filenames for middleware components now start with the middleware component name and will always be found in the ProgramData Pool\EZ folder.

Examples:

SalesEZ_Log.txt, SalesEZ_LongCallsAndErrors.txt, SalesEZ_MemoryDump.txt, SalesEZ_Transact_Dump.txt and SalesEZ_Performance_20110309_Log.txt - LongCallsAndErrors log files will now contain entries for all logged errors. Formerly log entries with an 'E' value would only appear in the LongCallsAndErrors log if the developer made a separate (addition) call to a different log routine. This is now automatic, so we should see more information in this log.

The ability for Sales to get a verbosity 5 log from SalesEZ was added using the tag set <ReturnLog>Yes</ReturnLog>. If this is present in the call, SalesEZ will append the verbosity 5 log for that call to the regular return value inside the <SalesEZLog></SalesEZLog> tags. This is for a future enhancement to allow Sales to capture SalesEZ logs from the salespoint.

Logging options in Middleware(EZ)*

We have several logging options available to us now in the EZ's. Below is a description of each. The first two, Verbosity Level and Log Invoke, have been available in the software since nearly its inception. The newest form of logging, added in January 2011, is Performance and Filtered logging. Here are outlines of each type:

VerbosityLevel

This is the standard we use everywhere in our applications. You can set the verbosity in the Sales32c.INI file, and that will be the default level of logging when the application starts. In most applications, this is the only place you can set this value. With our middleware components (SalesEZ, BookEZ, TallyEZ, RentEZ applications), you can also adjust the verbosity "live" by using the PoolManager application in 4.0 or the Service monitor in 4.1. The other special thing about the middleware applications is that even if you start with a verbosity 5 in the EZ.INI file, Pool will still set it back to 0 in 6 hours. Pool will do this when you alter the verbosity level during operation as well.

Below are the verbosity levels and what effect they are *supposed* to have in the logs. In most cases this is true. However, there are exceptions and sometimes the developers did not include all the proper logging.

1. Log nothing except some startup and shutdown messages and any errors.
2. Log the entry into each method in the code as well as all events at verbosity level 0. Some methods are not logged for performance and log readability reasons.
3. Log the exit from a method and, when possible, the return value from that method. Also log everything from Verbosity Levels 0 and 1.

Note: This is the minimum level in Sales. Even if you set the level to 0 or 1, Sales overrides it and sets it to 2.

4. Developer discretion – Log things at key points or steps in the method. Also log everything from verbosity levels 0, 1 and 2.
5. Developer discretion – Log things that are interesting in the method. Also log everything from verbosity levels 0, 1, 2 and 3.
6. Developer Discretion – Log everything that can help debug or trace a problem. This may include very long entries, and will create a very busy log file. This is the maximum verbosity level in all the middleware components. Also log everything from verbosity levels 0, 1, 2, 3 and 4.
7. Ludicrous Level – Similar to level 5 except it includes things that may be in tight loops (meaning many, many log lines). This is only available in Sales.

LogInvoke=True

This setting is enabled in the EZ.INI in the [Prefs] section. (Or [Preferences] in 4.1). This type of logging was designed to capture both the Current (or last) call and the longest call from a given salespoint. It created a dbf called EZ_Invoke.dbf in the pool folder (So it would be disallowed in a UAC enabled environment). The DBF contains a single row for each connection that has made a call. When a salespoint makes a call, the entire call string is stored in the **InvokeStr** column, along with the date/time that the call started. The start time is cleared if the invoke call finishes. This is so you can determine if there is a Salespoint “stuck” in a never-ending call. The DBF also has the longest call and the maximum duration (in seconds) stored in the **MaxCallStr** and **MaxInCall** columns. This form of logging is now obsolete, and we do not recommend using it.

Filtered and Performance Logging

These settings are enabled by placing a specially named file, _LogDirectives.txt, in the EZ folder, C:\ProgramData\Siriusware\Pool\EZ. The EZ checks for the existence of this file between each call from a salespoint. If the file is detected, it is read and any supported filters or directives are put in place.

Filtered Logging

The problem this method of logging solves is, that frequently, support staff needs verbosity 5 logs to diagnose problems. Setting the EZ verbosity to 5 can create extremely voluminous logs that have calls from every connected

salespoint. Also, setting the verbosity to 5 for all salespoints can create performance issues, as the EZ struggles to write all that text to a disk file.

With filtered logging, it is possible to leave the VerbosityLevel setting in the EZ . INI at zero and still get a verbosity 5 logging from selected salespoints, operators or even for specific calls. Here is the content from a sample _LogDirectives.txt file:

```
<StandardLogFilter>left(.cCurrentSalespoint, 3) = "RES"</StandardLogFilter>
<CapturePerformance>YES</CapturePerformance>
<PerformanceLogFilter>not empty(.cCurrentSalespoint)</ PerformanceLogFilter>
<TruncatePerformanceLogLines>NO</TruncatePerformanceLogLines>
```

The four tags that are supported are:

<StandardLogFilter>	<p>This must be a valid Visual FoxPro expression that evaluates to True or False. If this expression evaluates to True, then the verbosity is set to 5 for the duration of that call.</p> <p>There are several variables available for you to reference. They start with a dot and need to be used that way in the filter expressions. Here are the variables with some sample expressions:</p> <table border="1"> <tr> <td>.cOperator</td><td>The six character operator log-in name</td></tr> <tr> <td>.cSalespoint</td><td>The six character salespoint name</td></tr> <tr> <td>.cFunction</td><td>The function being called in the EZ</td></tr> </table> <p>Sample expressions: .cSalespoint = "MLRN03" .cOperator = "BART" .cFunction = "SQLPASSTHROUGH" LEFT(.cSalespoint, 4) = "MLRN" INLIST(.cOperator , "BART", "HOMER", "MARGE")</p>	.cOperator	The six character operator log-in name	.cSalespoint	The six character salespoint name	.cFunction	The function being called in the EZ
.cOperator	The six character operator log-in name						
.cSalespoint	The six character salespoint name						
.cFunction	The function being called in the EZ						
<CapturePerformance>	<p>When this setting is set to YES, the EZ will create the Performance log file. The name will include the date – like SaleEZ_Performance_20110121_Log.txt. This is described in more detail below, under Performance Logging</p>						
<PerformanceLogFilter>	<p>Similar to the StandardLogFilter tag, it must be a valid FoxPro expression. When that expression evaluates to TRUE, then an entry will be made into the Performance log.</p>						
<TruncatePerformanceLogLines>	<p>When set to YES, Log lines in the Performance log will not include the full call for APPENDRECS or MODIFYRECS.</p>						

Performance Logging

To enable Performance logging, you must have the <CapturePerformance> tags set to **YES** in `_LogDirectives.txt`. When enabled, the EZ will begin capturing a single line of logging for each call received. The file is created with the date as part of the name, so there will only be one of these logs per day that this logging option is enabled. The structure of the new log file is tab delimited with the following columns: DateTime, Operator, salespoint, TotalCallDuration, TotalSQLCallTime, TotalLoggingTime, FunctionName, ShortFunctionDetail, FullInvokeString. Here is a sample line:

```
2011.01.22 12:02:04.534  ADMIN      RESERV      0.026      0.007
0.001      SQLPASSTHROUGH SQL: SELECT other FROM metadata
      <func>SQLPassthrough</func><tcoperator>ADMIN</tcoperator><tcreturntype>X
M2</tcreturntype><tcsalespoint>RESERV001001</tcsalespoint><tcSqlStmt>SELECT
other FROM metadata</tcSqlStmt>
```

This can easily be cut and pasted into Excel – the tabs separate the data into proper columns – allowing you to make subtotals and averages easily. In this sample line, we see that the operator ADMIN and salespoint RESERV made a SQLPASSTHROUGH call that lasted for 26 milliseconds (ms). 7ms of the 26 were spent waiting for SQL Server and 1ms was spent logging.

If TruncatePerformanceLogLines is NO or omitted (recommended setting), the full invoke call is placed into the log. This can be used to feed a load testing setup and simulate all the captured activity. We are hopeful that this lightweight log will give a clearer picture of what servers are waiting for when they are stressed under load.

Note: EZ in the previous text above always refers to BookEZ, RentEZ, SalesEZ and TallyEZ applications.

New .INI setting to bypass tables packing upon startup to speed up Sales' startup time

An .INI setting was added to bypass tables packing upon startup to speed up Sales' startup time.

```
[Preferences]
PackTables=FALSE
```

The setting defaults to FALSE.

Sales now offers a clearer message when recalling a sale that does not have any notes associated with it

Sales now offers a clearer message when recalling a sale that does not have any associated notes. For example, in a salespoint with `AutoShowNotes=TRUE` but `ReservationHeaders=FALSE`, a saved sale without notes, previously, would display the message "Unable to find any matching records". Now, the message is more informative stating "No notes for this sale. This message can be disabled by setting `AutoShowNotes=FALSE`".

Prevention of pruning of the SalesEZ_log.txt and SalesEZ_LongCallsAndErrors_log.txt files during busy times

In order to prevent pruning of the `SalesEZ_log.txt` and `SalesEZ_LongCallsAndErrors_log.txt` files during busy times of the day, two new settings have been added to the [Preferences] section of the `SalesEZ.INI`.

```
BeginBlackoutPruneLogs = 7
EndBlackoutPruneLogs = 17
```

These two settings will prevent the standard log and LongCallsAndErrors log files from being truncated if they exceed the "MaxLogFileSize" .INI setting if the time of day is between these hours inclusively. Acceptable values range from 0 (12 midnight) to 23 (11pm) and default to 7 and 17 respectively (7am through 5:59pm) if these settings do not exist. These settings are useful to prevent the log files from potentially getting pruned, which may be a lengthy process, during your busy hours so as not to affect response times at the salespoints. If you set the values to 0 and 23 respectively, the log files will never get pruned. Then, however, it will be up to you to periodically delete them so they do not get too large (log files are automatically recreated if they are deleted).

ReportManager will now distinguish between “hidden” and “deleted” profit centers

ReportManager will now distinguish between “hidden” and “deleted” profit centers. Deleted profit centers will still be listed as having been deleted, but hidden profit centers are now seen in red, struck-through with a line, and will have “hidden” listed in parentheses.

Changes to SysManager program to prevent slowdown at the salespoints when item tree edits are being done

In an effort to prevent slowdown at the salespoints when item tree edits are being done in SysManager and to make item tree editing easier, the following changes have been made to SysManager program.

1. The re-ordering method of the item tree has been simplified
2. A warning message will now display when attempting to save changes to the item tree if the number of changes that need to be made to update the item tree exceeds 400, thus allowing the user to cancel out of the process
3. The ability to delete multiple items and item tree groups has been added. This is done by selecting multiple items and/or groups while holding the **Ctrl** key down and selecting with the left mouse button, then clicking on the **Delete** button. The user is prompted to confirm each deletion.

Text boxes 1-5 for an invoice will now accept up to twenty characters; text boxes 6-15 still accept up to ten characters

Text boxes 1-5 for an invoice, will now accept up to twenty characters. Text boxes 6-15 still accept up to ten characters.

Added capability to do a marketing survey after a sale

The capability to do a marketing survey after a sale was added.

Reporting for market survey

A Survey Performance Report will group the responses by the QuestionID. The QuestionID, full text of the question and a count of the total number of responses will be summarized for each question. Then, the response, count, percentage, sale total, and average sale total will be displayed for each response value for the given question. The reports should be able to be filtered by Survey, Question, Date Range, Operator, and/or Salespoint/Salespoint Group. Finally, there is the ability to export the raw data. Additionally, a security setting is needed to be added for accessing the Survey Report.

Two new menu items in SysManager > Activities > Item/Sales Lists

There are two new menu items in **SysManager > Activities > Item/Sales Lists** that support the new Marketing Survey functionality, "Surveys" and "Questions for Surveys". Choosing the "Surveys" menu option will allow the user to create new surveys or edit existing ones via the Survey Edit Form. The surveys are configured as described below and then assigned to salespoint groups to be administered at the conclusion of a sale. Choosing the "Questions for Surveys" menu option allows the user to create the questions to be asked and responses, if applicable, for the surveys.

The Survey Edit Form consists of three tabs: **General Info**, **Questions**, and **salespoint Groups**. On the **General Info** tab the user will set a description for the survey, set the number of questions to be asked when the survey is administered at the salespoint, set at what frequency the survey will be administered at the salespoint (e.g., every third sale, or every tenth sale, etc.), set whether the questions will be asked sequentially with each survey or in random order and set whether or not to collect the zip/post code with the survey. Finally, there is an **Inactive** check box - leaving this box unchecked will make it so that the survey is an active survey, while checking the box will be equivalent to "hiding" the survey, and it will be inactive or unavailable for use at salespoints.

The **Questions** tab of the Survey Edit Form displays a listing of all questions created using the "Questions for Surveys" menu option (described in detail below). The user will move questions from the All Questions list to the Questions for this Survey list in order to link the questions to that particular survey. The user has the option of

creating additional questions on the fly from within this tab or editing an existing question using either the **Add** button or the **Edit** button respectively. The ordering of the questions can be adjusted from within the “Questions for this Survey” list using the slider button to the left of the question which allows the question to be moved up or down within the list.

The final tab of the Survey Edit Form, **Salespoint Groups**, allows the user to link the survey to salespoint groups. This is done by moving salespoint groups from the Available SP Groups list to the Assigned SP Groups list. Linking the survey to a salespoint group means that the survey will only be available and able to be administered at salespoints within that group.

When the user selects the "Questions for Surveys" menu choice, they are taken to the Questions for Surveys Form where they can create new questions and their respective available response values if applicable, edit existing questions/responses, delete questions, and duplicate a question along with its available responses, if applicable. To create a new survey question the user will click on the **New** button and be taken to the Question Edit Form. The Question ID number is displayed in read-only format and is initially set to "0" until the question is saved where upon it will be assigned a unique number. The text for the questions will be entered into the **Question Text** field. There is a dropdown for the user to set the Response Type where they will choose between the following: **Currency, Date, Date/Time, Integer, Predefined Responses, Text, Time, True/False, and Yes/No**. The Response Type set determines the type of data entry field that will be displayed in Sales when the survey is administered. Additional information is required if the user selects Integer or Predefined Responses from the dropdown - they will need to set Min Value and Max Value using the corresponding text boxes that appear when selecting Integer. And they will need to configure the various responses and their sort order in the section that displays when selecting Predefined Responses. There are buttons to **Add, Edit, Delete, and Hide/Unhide** responses, and there is also a check box that can be checked to **Allow Other?** responses other than those configured for the Predefined Responses. The sort order can also be configured for the Predefined Responses using the slider button to the left of the response which allows the response to be moved up or down within the list.

There is also a new security role that can be used to limit access to the Surveys and the Questions for Surveys. The new role is listed as **SysManager > List > Surveys**.

Added ability to multiselect items in ItemTree and perform changes en masse

Added ability to multiselect items in ItemTree and perform changes en masse (except for the Picture). Multi-select drag-and-drop is not possible, but not necessary.

Additional guests associated with a sale are seen in the Guest Listing v2 Report in ReportManager

Additional guests associated with a sale are seen in the Guest Listing v2 Report in ReportManager. For example, guests attached to the reservation header will now appear on the report.

Five new guest user defined text fields of 50 characters each have been added to the Guest Info 3 tab in Sales

Five new guest user defined text fields of 50 characters each have been added to the **Guest Info 3** tab in Sales. Labels for these fields are configured in **SysManager > Preferences > Guests > Labels for User Def 2** tab. Additionally, any of these 5 new fields can be configured as being required globally for guests using the **Fields That Must Be Entered** tab of the Guest Preferences Form in SysManager, when selling an item using the **Required Fields** tab of the Item Edit Form, or via the RequiredGuestFields setting in the [Preferences] section of the Sales32c.INI file.

Accounts now have the option to be used only to save sales but not have any sales be finalized to them

Accounts now have the option to be used only to save sales but not have any sales be finalized to them. This will be useful to adjust cost of items through Dynamic Pricing rules, but still require a different form of payment for the sale. For example, you can now select the check box **Pay Upon Finalizing** for the account under the **General Info** tab and this will allow sales to be saved to the account, but no sale finalized to that account. At finalize, the balance due must be paid through a different form of payment.

Guest phone extension fields have been added to the database

Guest phone extension fields have been added to the database. The display of these phone extensions was added to reports that display guest names and addresses. The phone extension is displayed immediately after the phone number, separated by a space. In addition, reports that display a guest number will now suppress the display of blank phone numbers that contain only the parenthesis and dash, e.g., "() - ".

Sales will now store PDF files created by PrintEZ application in the location defined by the PDFPath setting

Sales will now store PDF files created by PrintEZ application in the location defined by the PDFPath setting in the [Data] section of the Sales32c_system.INI file. If this setting is missing from Sales32c_system.INI, Sales will create the folder called PDF in the ProgramData\Siriusware\Sales folder and store the files in that location. Additionally: Sales will update the setting in Sales32c_system.INI with that path.

Example:

PdfPath=C:\ProgramData\Siriusware\Sales\PDF\

Added new SHUTDOWN() macro to Sales

Added new SHUTDOWN() macro to Sales. This is similar to QUIT(), except that it does not prompt the user to quit Sales, it just forces an exit from Sales (similar to the shutdown timer feature). This is primarily intended for automated testing, especially load testing in conjunction with the AutoScript .INI setting in Sales.

Swipe Injection dialog can now be set separate from the EncryptedPassNumbers setting to use encrypted or unencrypted numbers

When manually entering numbers for auto-sale (%A) or auto-command (%E) in the **Swipe-Injection** dialog, the dialog can now be set separate from the EncryptedPassNumbers setting to use encrypted or unencrypted numbers. To do so use following .INI setting:

```
[Preferences]  
EncryptedManualEntry=FALSE
```

The default for EncryptedManualEntry setting is the setting that EncryptedPassNumbers has at the salespoint.

Encrypted numbers have been increased to a maximum of ten characters

Encrypted numbers have been increased to a maximum of ten characters (maximum decimal value of 6,278,211,847,988,223). The previous maximum was nine characters.

Enhancements to creation and deletion of Max4Sale and Points4Sale limits

The act of creating and deleting Max4Sale and Points4Sale limits has been enhanced with the ability to create or delete multiple records at once for Departments, Categories, Items, Lessons Types, Lesson Type Categories, and Lesson Locations. To create multiple records click on the **Create Daily** button in the appropriate **Max4Sale/Points4Sale Groups** dialog. This will bring up the **Create Ranges** dialog where you can enter beginning and ending dates and times, as well as, entering the maximum number available for sale for each day of the week along with check boxes to create those limits for each day. The **Delete Ranges** dialog is accessed by clicking on the **Delete Ranges** button in the appropriate **Max4Sale/Points4Sale Groups** dialog. As with the **Create Ranges** dialog, the user can set beginning and ending dates and times as well as select check boxes to delete limits for each day of the week. When deleting ranges, only those limits where there is an exact match to the time range entered will be deleted. The following example illustrates how this works.

Set the times in the time range text boxes for deletion as follows: 10:00 - 13:59

00:00 - 23:59 would NOT be deleted

8:00 - 10:59 would NOT be deleted

9:00 - 12:00 would NOT be deleted
10:00 - 13:00 would NOT be deleted
10:00 - 13:59 would be deleted
11:00 - 13:59 would NOT be deleted
12:00 - 14:00 would NOT be deleted

SysManager > Guest Edit form > User Def 2 tab now includes support for five, new, long text (fifty characters) fields

The **Guest Edit Form > User Def 2** tab in SysManager now includes support for five, new, long text (fifty characters) fields. Labels for these can be configured in the **Guest Preferences Form > Labels for User Def 2** tab. Additionally, any of these five new fields can be configured as being required globally using the **Fields That MUST Be Entered** tab of the Guest Preferences Form and when selling an item using the **Required Fields** tab of the Item Edit Form.

Accounts can now be set up in order that the entire balance must be paid upon finalization

Accounts can now be set up so that when used, and a sale is put on that account, the entire balance must be paid upon finalization. This is done in SysManager by selecting the **Pay Upon Finalizing** check-box under the **General Info** tab of the account. The column `pay_on_fnl` is now present in the accounts table. This is for sales on account which require full payment upon finalization.

Changes to SiriusSQL application in support of the new market survey functionality

The following changes to SiriusSQL application were made in support of the new market survey functionality. The following new tables have been added to the SiriusSQL database: `s_cusrsp`, `s_quest`, `s_resp`, `s_sgslnk`, `s_sqlink` and `s_survey`. The following changes have been made to the updates table: added `s_quest`, `s_quest_r`, `s_resp`, `s_resp_r`, `s_sgslnk`, `s_sgslnk_r`, `s_sqlink`, `s_sqlink_r`, `s_survey`, and `s_survey` (all `int`). The following changes have been made to the `sec_func` table: added 'T_SURVEY' security setting.

Phone extension fields have been added to Guest Info tab in Sales

Phone extension fields have been added to **Guest Info** tab in Sales for primary phone, phone 2 and fax numbers. Field length is up to 4 digits and numeric only.

SysManager > Guest Edit > Address Tab has been modified to now include a 4 digit extension number

SysManager > Guest Edit > Address Tab has been modified to now include a 4 digit extension number for all three phone numbers.

Sales will now pass path information to PrintEZ rather than PrintEZ reading the paths from its own .INI file

Sales will now pass path information to PrintEZ rather than PrintEZ reading the paths from its own .INI file. This allows for multiple salespoints to work with the one registered PrintEZ application. Please note that any path information will now be pulled from the Sales32c_system.INI and all other path listings will be ignored. This is true for DataPath, LayoutPath, JPGTempPath, and PDFPath.

Shift key added to on-screen keyboard to allow entry of !@#\$%^&*()_+ characters

Shift key added to on screen keyboard to allow entry of !@#\$%^&*()_+ characters.

Line item notes can now be deleted

Line item notes can now be deleted. Single notes can be deleted with the **Delete** button, and all notes can be deleted with the **Delete All** button. These two buttons observe the "Sales - Allow Operator To Delete Line Item Note" security setting.

Note fields for Guest Info will now accept a carriage return allowing for clearer messages

Note fields for Guest Info will now accept a carriage return allowing for clearer messages.

New .INI setting provides a choice between a detailed and basic Close-Out Report

The new .INI setting ShowSystemTotal=TRUE will give a detailed close-out report. Setting this to FALSE will give a basic Close-Out Report.

New .INI setting to append text to a function key macro

An .INI setting was added to append text to a function key macro.

```
[ Preferences ]  
F12Text="%SSELECTIVESPECIAL( " "  
F12Append=" " ) "  
F12Prompt="Scan Coupon          "
```

Note: The first two lines of the setting, F12Text and F12Append, must be in the form pictured above. Without the F12Prompt line the operator will not receive the opportunity to scan the barcode to append to the macro as Sales will immediately timeout.

When using the Append functionality, the operator chooses the **F12** button (**F10** and **F11** also possible), he is prompted to scan the coupon barcode (a special nickname). Scanning the coupon appends the scan value to the macro and in this case applies a selective special to the item(s). SPECIAL, ITEMSPECIAL, GLOBALSPECIAL, SELECTIVESPECIAL, or CUSTOMSPECIAL macros can be accommodated in this fashion.

Additionally, if less than ten characters are entered in the SPECIAL, ITEMSPECIAL, GLOBALSPECIAL, SELECTIVESPECIAL, or CUSTOMSPECIAL macro parameters, the special will be automatically padded with spaces to ten characters.

Cascading validation of access records

CheckPass, ValidatePass, CheckAndValidatePass and TricklePass now perform cascading validation of Access (ticket) Records, if the template on the Access product is configured with the **Allow Cascading Validation of This Access Product** check box checked. SalesEZ application looks for Access records that were sold as modifiers to the parent access item, finding sibling access records based on a common mastertran value in the transact table

New **Allow Cascading Validation of This Access Product** check box is to be found in **SysManager > Item Edit > Action Tab > Template > Starting Values** tab. Checking this box enables the access product to cascade to other access items that were sold as modifiers to the parent access item, finding sibling access records based on a common mastertran value in the transact table.

New Dynamic Revenue Recognition capability

Revenue can now be allocated at the time a ticket/pass product is scanned. Revenue associated with tickets/passes that are sold for future use can now be placed in a Deferred Revenue profit center, and at the time the ticket/pass is scanned/validated through ScanMan or GateKeeper modules the revenue is moved from the Deferred Revenue profit center to the proper non-deferred profit center associated with the Recognize Revenue Rule attached to the ticket/pass product.

The Recognize Revenue Rule is configured in **SysManager > Activities > Item/Sales Lists > Dynamic Pricing Rules**. The rule must be configured as a rule type of "Any" or "Recognize Revenue Rule" to be assigned to a ticket or pass item in the **Global Settings** tab of the item's template. With current functionality the rule must follow the paradigm:

```
MOVEREVENUE( OLD_PR_CTR, NEW_PR_CTR, 20, 10, D,C,I, Salespoint, Operator)
```

Where MOVEREVENUE is the function, OLD_PR_CTR is the deferred profit center. NEW_PR_CTR is the non-deferred profit center. 20 is the percent of the deferred profit center to be moved to the non-deferred. 10 is the flat dollar amount to move from the deferred profit center to the non-deferred profit center. Either percent, flat dollar amount or both can be used in the rule. The value should be set to 0 if not used. D,C,I is the department, category and item nickname of the item that will be attached to the profit center adjustment in the data, salespoint is the optional salepoint that will be written to the data(scanner location if not specified), Operator is the optional operator (blank if not specified).

When a ticket or pass is scanned that has a Recognize Revenue rule, SalesEZ passes off the rule in a RecognizeRevenue call to siriusutil.dll. The .dll makes the call to the data writing the information to a new transact record. The .dll then responds to SalesEZ application that the call was made. The new record in transact contains the adjustment to the deferred profit center and the non-deferred profit center sold to the item specified in the DCI setting, salespoint and operator as configured.

ValidatePass and ValidateCard call the new RecognizeRevenue function in SiriusUtils.DLL if the template for a validated pass or card is configured with a Revenue Recognition rule in the **Global Settings** tab of the validation template.

In **SysManager > Activities > Item/Sales Lists > Dynamic Pricing Rules** there is a new dropdown, **Rule Type**, for specifying the type of rule. The types are Dynamic Pricing rule, Points4Sale rule, Revenue Recognition rule and Any.

In **SysManager > Item Edit > Actions > Action Specifics > Global Settings** there is a new dropdown, **Revenue Recognition Rule**, for assigning a rule from the Dynamic Pricing Rule list that is assigned a rule type of Any or Revenue Recognition rule.

In **SysManager > Item Edit > Pricing > Dynamic Pricing** choosing the Dynamic Pricing rule dropdown will now display rules of type Any or Dynamic Pricing Rule.

In **SysManager > Item Edit > Restrictions** the Points4Sale rule dropdown will display rules of type Any or Points4Sale Rule.

In **SysManager > Accounts > Account Edit > General** tab the Dynamic Pricing rule dropdown will now display any rule of type Any or Dynamic Pricing Rule.

Revenue Moving rules vs. Consignment programs

```
IF (DCI ( , , VOUCHERADT ) , MOVE REVENUE ( *DEFERRED* , ADMISSIONS , 100 ,  
0 , CONSIGNMT , REDEMPTION , REDEEMADT ) )
```

```
IF (DCI ( , , VOUCHERCHD ) , MOVE REVENUE ( *DEFERRED* , ADMISSIONS , 100 ,  
0 , CONSIGNMT , REDEMPTION , REDEEMCHD ) )
```

```
IF (DCI ( , , VOUCHERSNR ) , MOVE REVENUE ( *DEFERRED* , ADMISSIONS , 100 ,  
0 , CONSIGNMT , REDEMPTION , REDEEMSNR ) )
```

There is a lot of confusion surrounding these two features:

- Revenue Rules exist in order to move money from one profit center to another when a ticket is scanned. That is it. End of story. If there is no revenue to move, then the rules do not get triggered (for example, comp tickets). The most common use of revenue rules is to allocate revenue to a **“Deferred”** profit center when sold, and later when the ticket is used, move it to another profit center. For example, 5000 1-day tickets are sold for dirt-cheap at a trade show, let’s say \$5.00 each. The client doesn’t want to recognize \$25,000 worth of revenue the day that the tickets were produced in Siriusware because most likely, that happened during their off season. So instead, the client uses revenue moving rules to move 100% of the revenue (\$5 per ticket) from **“Deferred”** to **“Ticket Revenue”** when the tickets are scanned.
- Consignment Programs involve selling a bunch of tickets or vouchers to an account for bulk distribution to a partner, and then recording the redemption of those bulk vouchers back to the same account once they are used. The client may price the vouchers at \$0 and the redemptions at the consignment rate, or the vouchers at the consignment rate and the redemptions at \$0, or they may put a price on both items and just ‘ignore’ one profit center in order to not double-count revenue. Where/when to recognize the revenue in a consignment program is a tricky decision and is the responsibility of the client’s accounting department.

Because Revenue Rules and Consignment both have a two-part process, the initial sale and the redemption, and they both deal with revenue, it is easy to start thinking that Revenue Moving and Consignment can be used in conjunction to deal with the consignment issue of selling vouchers that cost \$\$ and recording redemptions that also cost \$\$, without doubling up revenue. Unfortunately, this is not true.

Revenue rules only move money from one profit center to another using a DCI specified in the rule to record the move. Revenue rules do not interact with consignment programs to perform auto-sales to accounts, and cannot set the price of the auto-sold ticket. So, as tempting as it is to want to use revenue moving and consignment together, it just doesn’t work that way. In the future it may be possible to create an enhancement to make the two features more compatible with each other, but for now you must decide on using one or the other.

For those who are interested, described below are how the two features could possibly work together, but it is not likely that many clients will want to do this. Also, feel free to pass this email/info on to other clients if it is helpful.

Set up your Consignment vouchers to cost \$\$ and associate the Revenue Moving rule with the voucher access template (example rule is attached for reference).

Item Dept:CONSIGNMT Cat:VOUCHERS

Nickname: VOUCHERADT Description for DCI List: Adult Consignment Voucher

Fundraising Interface

Sales Actions Inventory Required Fields Security Mod

General Sales Point Type Restrictions Price Profit Ctrs W

☐ Direct Pricing ☒ 1 Price All Week ☒ Flat Rate ☒ No

☒ Default Only ☐ WeekDay/Weekend ☐ Calculate ☐ 6.5

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 7 Prices (Mon-Sun) ☐ 0.0

☐ Dynamic Pricing ☐ Add Tax ☐ 0.00

Default: 20.00

Item Dept:CONSIGNMT Cat:VOUCHERS

Nickname: VOUCHERADT Description for DCI List: Adult Consignment Voucher

Fundraising Interface

Sales Actions Inventory Required Fields Security Mod

General Sales Point Type Restrictions Price Profit Ctrs We

Profit Center Split

☒ % Method ☐ Fill Method

DEFERRED 100.000

CONSIGNMT / VOUCHERS / VOUCHERADT

Item Discounts		Remote Validation		
Starting Values	Global Settings	Auto Pass Validate	Auto Sales	Autosale Options

Global Setting For All Access Products

Uses Per Day: 0
Uses Per Week: 0

☒ Monday
☒ Tuesday
☒ Wednesday
☒ Thursday
☒ Friday
☒ Saturday
☒ Sunday

Times: : :
☐ Enforce time part of start/end date

Black Out Dates: // //

Layout: ...
 Prefer: ...

Revenue Recognition Rule: REV MOVE WITH CONSIGNMENT
☐ Create check point log entry when validating

Sales Screen action to execute when this item is validated:

Make your redemption items cost \$0.

Item Dept: CONSIGNMT Cat: REDEMPTION

Nickname: REDEEMADT Description for DCI List: Redemption - Adult

Fundraising Interface

Sales Actions	Inventory	Required Fields	Security	Modifiers
General	Sales Point Type	Restrictions	Price	Profit Ctrs
<input type="checkbox"/> Direct Pricing <input checked="" type="radio"/> Default Only <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input checked="" type="radio"/> 1 Price All Week <input type="radio"/> WeekDay/Weekend <input type="radio"/> 7 Prices (Mon-Sun) <input type="radio"/> Dynamic Pricing	<input checked="" type="radio"/> Flat Rate <input type="radio"/> Calculate <input type="checkbox"/> Add Tax	<input type="radio"/> No Tax 1 <input checked="" type="radio"/> 6.5000% <input type="radio"/> 0.0000% <input type="radio"/> 0.0000	

Default: 0.00
0.00

Set up the normal consignment account that includes an auto-scan invoice.

Sell the vouchers to the appropriate account:

Note the profit center for the voucher sales:

SIRIUSWARE, INC.
PROFIT CENTER SPLIT

Sold 11/15/2010 1:20:32 PM to 11/15/2010 11:59:59 PM

OPERATOR S: All

SALES PTS: All

PROFIT CENTER S: All

ACCOUNT S: All

Admissions are counted once
for EVERY profit center an item is split into!

Don't Show Un-Split Amounts

Profit Center	Quantity	Net	Admissions
DEFERRED (33)			
CONSIGNMT			
VOUCHERS			
Adult Consignment	1	\$20.00	0
Child Consignment	1	\$13.00	0
Senior Consignmnt	1	\$13.00	0
Subtotal:	3	\$46.00	0
Subtotal:	3	\$46.00	0
DEFERRED (33) Subtotal:	3	\$46.00	0
TOTALS:	3	\$46.00	0
Discounts Taken:		\$0.00	

When the tickets are scanned to do the auto-sale back to the account (using the %A function in Sales in this example), note that the price of the redemption item is still \$0. It does NOT get set to the “move” amount specified in the revenue rule for that particular access number:

\$0.00

Coupon

Special

DateTime

Account

Message

Salespoint Solutions

1

<<

>>

Modify

Redemption - Adult 11/15/2010

0.00

Special

DateTime

G-CONSIGNA
3000001

Message

Add Guest?

0.00

Finalize

✖

Finalize Sale?

OK

Cancel

Note that the revenue is moved according to the rule:

102

Sold 11/15/2010 1:20:32 PM to 11/15/2010 11:59:59 PM

OPERATORS: All

SALES PTS: All

PROFIT CENTERS: All

ACCOUNTS: All

Admissions are counted once
for EVERY profit center an item is split into!

Don't Show Un-Split Amounts

Profit Center	Quantity	Net	Admissions
DEFERRED (33)			
CONSIGNMT			
REDEMPTION			
Redemption - Adult	1	\$-20.00	1
Subtotal:	1	\$-20.00	1
VOUCHERS			
Adult Consignment	1	\$20.00	0
Child Consignment	1	\$13.00	0
Senior Consignment	1	\$13.00	0
Subtotal:	3	\$46.00	0
Subtotal:	4	\$26.00	1
DEFERRED (33) Subtotal:	4	\$26.00	1
ADMISSIONS (2)			
CONSIGNMT			
REDEMPTION			
Redemption - Adult	1	\$20.00	1
Subtotal:	1	\$20.00	1
Subtotal:	1	\$20.00	1
ADMISSIONS (2) Subtotal:	1	\$20.00	1
TOTALS:	5	\$46.00	2
Discounts Taken:		\$0.00	

However, the account history will always reflect the \$0 redemption amount. You will never see the original voucher amount go down and the redemption amount go up on the account itself. You can still use the account to know how many vouchers were originally sold and then redeemed, but you lose the ability to know how much revenue the redemptions are worth per account. Also, you may have to specify a 0-admission DCI in the revenue rule and a 1-admission DCI for the auto-sale (or vice versa) in order to prevent double counting admissions at the time of redemption.

History For Accounts Detail by Account

This report is for
audit purposes only.
It is not an Invoice

Salespoints: All
Operators: All

Accounts: All Invoices: 0 - 999999999999

Transaction dates: 11/15/2010 1:20:47 PM to 11/15/2010 11:59:59 PM

CONSIGNMENT ACCOUNT A

Account: G-CONSIGNA

Credit Limit: 10,000.00

	Adm	Qty	Sales	Transactions	Total
3000001 (Opened:04-11-2010) REDEEMED APR 20-26, 2010 Arr/Dep: 04-11-2010 to 04-11-2010					
11-15-2010 01:24:02 REDEEMADT - Redemption - Adult	1.00	1	0.00		0.00
Totals For Invoice 3000001	1.00	1	0.00	0.00	0.00
12004001 (Opened:04-11-2010) APRIL 2010 ORDER Arr/Dep: 04-11-2010 to 04-11-2010					
11-15-2010 01:21:17 VOUCHERADT - Adult Consignment Voucher		1	20.00		20.00
11-15-2010 01:21:17 VOUCHERCHD - Child Consignment Voucher		1	13.00		13.00
11-15-2010 01:21:17 VOUCHERSNR - Senior Consignmnt Voucher		1	13.00		13.00
Totals For Invoice 12004001		3	46.00	0.00	46.00
Totals for Consignment Account A			46.00	0.00	46.00

Again, I'm not sure that clients will be alright with losing the dollar value on redemptions per account, but that is close to making the two pieces of functionality work together as is currently possible.

Account Statement Report now has the address fields from invoice records available for use when using the custom Account Statement Report layout

The Account Statement Report now has the address fields from invoice records available for use when using the custom Account Statement Report layout. Invoice field names that duplicate those in the accounts table start with "i_" to differentiate them from the address data in the accounts table. The new fields are: descrip1, descrip2, i_e_mail, i_address, i_address2, i_city, i_state, i_zip, i_country, i_area_code, i_phone and i_phone_ext.

The Account Statement Report (detail and summary) can be customized. If ReportManager detects the presence of the customized report layouts in the SiriusFS/Layouts folder, it uses them; otherwise it simply uses the default system layouts. See *Salesware Reporting* for more information.

Sale History and Guest Info buttons are now available on ticket and pass inquiries

Sale History and **Guest Info** buttons are now available on ticket and pass inquiries.

New ability to lock the size of screens in Sales

New `s32c_Scale.INI` settings:

- - under [interface], `DialogFrame=Lock` will now stop the ability to re-size dialogs in Sales
- - under [Unlock], put any chosen dialog that should still have the re-size ability and have `It =TRUE`
- - under [Maximize], put any dialogs you would like to see fully maximized on log in.

You can now print multiple barcodes on a single ticket

The access number of a modifier is now populated in the `mod_accX` (where `X = 1 - 9`) field in the printing and `tmp_inv` tables. This allows for the printing of multiple barcodes on a single ticket so that a separate ticket no longer needs to be issued for each part of a purchased package.

More characters available for first name and last name on tickets

When using the fields `tmp_fname` and `tmp_lname` on tickets, the full fifteen character max for first name and full twenty character max for last name will be available, as opposed to the ten and fifteen character limit prior to this change.

Accounts Receivable reporting now has option to choose transaction date based on Finalized Date

Accounts Receivable reporting now has option to choose transaction date based on Finalized Date.

Garment exchanges are now flagged and differentiated from regular voids

Garment exchanges are now flagged and differentiated from regular voids. In order to identify Garment Exchanges, the message column is now populated in the transact table for the +qty item with `EXCHANGE`.

Guest lookup now searches for the Second Guest

Guest lookup now searches for the Second Guest when the Second Guest is enabled In **SysManager > Preferences > Guests > Misc tab > Use Second Guest**. Typing the second guest name in the `*Name (First/Last)` fields will find the guest record that the second guest is attached.

You can now refund a ticket directly through ticket inquiry

You can now refund a ticket directly through ticket inquiry.

Phone extension fields have been added to the SiriusSQL application

Phone extension fields have been added to the SiriusSQL database for **guest phone number**, **phone number 2** and **fax number**.

Added ability to input zip codes during sale via on screen keyboard

The ability to input zip codes during sale via on screen keyboard was added.

Sales updates immediately when changes are made to the item tree

Sales updates immediately, and correctly, when changes are made to the item tree, whether or not items have been removed. Previously, if an item was added to an item tree, the salespoint updated with it, and then the item was removed from the item tree, changes could *then* be made to the item (or modifiers) which would not get to the salespoint (but it would consider itself up-to-date if it updated those files during that time). Then, if the item was re-added to the item tree, the salespoint wouldn't get the updated item record or the `dci_mods`. This is now fixed by re-checking those tables when an item is added to the item tree.

Item descriptions now available under the item Modifiers tab in SysManager program

In SysManager, item descriptions are now available under the **Item Modifiers** tab in the **Available items** and **Assigned item** scroll boxes.

Zip/post code now auto-populate in the zip/post code prompt

When the zip/post code prompt is active in Sales, and a guest record is associated with items in the sale or a ResHeader, the first guest record which has a zip/post code will auto-populate in the zip/post code prompt. The prompt will then remain open for review by the operator.

It is now possible to print the department and category descriptions on tickets

It is now possible to print the department and category descriptions on tickets. One can use `departme->descrip` to print the department description and `category->descrip` to print the category description.

Change to how SysManager > Data Maintenance/Max Keys On Server processes values

SysManager > Data Maintenance/Max Keys On Server now processes the next `last_mod` values in the new `last_mod` columns in the department and category tables.

You can now consolidate the sales and CC receipt

You can now consolidate the sales and CC receipt using the following layout code:

```
<|CENTER('Company Name',40)|>
<|CENTER('Company Address',40)|>
<|CENTER('City State Zip',40)|>
<|CENTER('Company Phone',40)|>
<|CENTER('Company Website Address',40)|>
<|NEWLINE()|>
<|CENTER('SALES RECEIPT',40)|>
<|CENTER(alltrim(sales_pt->descrip),40)|>
<|CENTER(alltrim(operator->first_name),40)|>
<|CENTER('Sale Number: '+IIF(sale_hdr->sale_no=sale_hdr-
>mastersale,ALLTRIM(STR(sale_hdr->mastersale,16,0)),ALLTRIM(STR(sale_hdr-
>sale_no))),40)|>
<|CENTER(DSTR2(sale_hdr->Date_time),40)|>
<|NEWLINE()|>
<|'Qty Item Price '|>
<|' Special Discount'|>
<|'-----'|>
<|Details(IIF(Item="**TRANS**",' Account Transaction
'+STR(extension,8,2),IIF(MODIFIER(),' '+Items->descrip+'
'+STR(extension-tax_amt2+disc_amt,8,2),STR(quantity,3,0)+'
'+Items->descrip+' '+STR(extension-tax_amt2+disc_amt,8,2)))+IIF(message=' ',alltrim('
'),NEWLINE()+'+message)+IIF(guest_no=0,ALLTRIM('
'),NEWLINE()+'+alltrim(guests->first_name)+' '+alltrim(guests-
>last_name))+IIF(disc_amt=0,NEWLINE()+ALLTRIM('
'),NEWLINE()+'+IIF(ALLTRIM(UPPER(special))="CUSTOM","Custom Special
",specials->descrip)+' '+STR(-1*disc_amt,8,2)+NEWLINE()))|>
<|JUSTRIGHT('-----',40)|>
<|JUSTRIGHT(' Sub Total: '+STR(Utility->sale_sub,10,2),40)|>
<|JUSTRIGHT(' Tax: '+STR(Utility->sale_tax,10,2),40)|>
<|JUSTRIGHT(' Total: '+STR(Utility->sale_ext,10,2),40)|>
<|JUSTRIGHT('-----',40)|>
<|JUSTRIGHT(' PAYMENTS: '+STR(Utility->amt_paid,10,2),40)|>
<|JUSTRIGHT(' BALANCE DUE: '+STR(Utility->bal_due,10,2),40)|>
<|JUSTRIGHT('-----',40)|>
<|JUSTRIGHT(iif(Utility->sale_ext>0.00,'Payment Types and Amounts:', ''),40)|>
<|JUSTRIGHT(iif(Utility->sale_ext>0.00,FOP(), ''),40)|>
```

```

<|JUSTRIGHT(iif(sale_hdr->pmt_amt1>0.0000,alltrim(str(sale_hdr-
>pmt_amt1,8,2))+ '    ','')+iif(sale_hdr->pmt_amt2>0.0000,alltrim(str(sale_hdr-
>pmt_amt2,8,2))+ '    ','')+iif(sale_hdr->pmt_amt3>0.0000,alltrim(str(sale_hdr-
>pmt_amt3,8,2))+ '    ','')+iif(sale_hdr->pmt_amt4>0.0000,alltrim(str(sale_hdr-
>pmt_amt4,8,2))),''),40)|>
<|JUSTRIGHT('CHANGE DUE: '+iif(Utility->change>0.0000,'-
','')+alltrim(STR(Utility->change,8,2)),40)|>
<|NEWLINE()|>
<|CENTER('Thank You!',40)|>
<|NEWLINE()|>
<|iterate_over(cc_trans, sale_no, sale_hdr->sale_no, IIF(cc_trans-
>status=3,ALLTRIM('
'), 'Card Number:
XXXXXXXXXXXXX' + cc_trans->card_id + NEWLINE() + 'Card Type: ' + cc_trans-
>card_type + NEWLINE() + 'Amount: $' + ALLTRIM(STR(cc_trans->total,16,2)) +
NEWLINE() + 'Approval: ' + ALLTRIM(cc_trans->approval) + NEWLINE()),
NEWLINE())|>
<|NEWLINE()|>
<|NEWLINE()|>
<|NEWLINE()|>
<|Printers->cut_code|>
<|NEWLINE()|>
<|NEWLINE()|>

```

Changes to PrintEZ application

PrintEZ application now uses the NovaPDF driver instead of Amyuni to generate all PDF files

PrintEZ application now uses the NovaPDF driver instead of Amyuni to generate all PDF files. This is installed as a new SiriuswareNovaPDF printer on a salespoint by the latest CommonFiles or CommonUpdate_4101 programs. This change supports new settings in the [Preferences] section of PrintEZ.INI:

PDFRenderWaitMode=

1 = (Default) Wait for PDF print driver to report PDF file completion before continuing.

2 = Do not wait for PDF print driver to report PDF file completion (it is spooled by the Windows print spooler), except when the PDF file needs to be emailed. While this is faster than 1, use this setting with caution, as it may cause missing PDF pages or stability problems.

3 = Never wait for PDF print driver to report PDF file completion (it is spooled by the Windows print spooler). While this is faster than 1, use this setting with caution, as it may cause missing PDF pages or stability problems.

PDFRenderTimeout=

This is the number of seconds to wait for PDF print driver to report PDF file completion. This applies only if `PDFRenderWaitMode` is 1 or 2. Default is 20.

`PDFMarginsTopBottom`= Top and bottom page margins (in millimeters). Default is 0.

`PDFMarginsLeftRight`= Left and right page margins (in millimeters). Default is 0.

`PDFVersion`= PDF rendering version. Default is 4.

3 = PDF v1.3 (Adobe Acrobat Reader 4)

4 = PDF v1.4 (Adobe Acrobat Reader 5)

5 = PDF v1.5 (Adobe Acrobat Reader 6)

6 = PDF v1.6 (Adobe Acrobat Reader 7)

`PDFSilentPrint`= Generates PDFs silently. Default is "Yes".

`PDFPrinterName`= The installed NovaPDF Windows printer. This defaults to "SiriuswareNovaPDF".

In addition to these new PDF related .INI settings, the "PDFOptions" .INI setting and the old SiriuswarePDF printer are no longer used. Finally, the "PDFPath" `PrintEZ.INI` setting is no longer used. The default path for generated PDFs is now specified in the [Data] section of the `Sales32c_system.INI` file.

There is also a new setting in the `PrintEZ.INI` file called **PDFEmbedAllFonts**. When set to a YES (default), it will allow the reading of the PDF file on a computer where the fonts contained in that PDF might not be installed.

The `csrTrans` and `csrTransGuest` tables are now accessible to confirmation letters in

The `csrTrans` and `csrTransGuest` tables are now accessible to confirmation letters in Sales. They are located in the `ProgramData\Siriusware\Sales\Data` folder.

Added the diagnostic tool "AnalyzeFRX"

The diagnostic tool **AnalyzeFRX** was added. If set to "YES" in the .INI file, it will look at all the expressions in a layout and evaluate them prior to printing to help isolate where the problems might be with a layout. Any errors encountered will be logged along with the expression. The current default is "NO", but consideration for making it "YES" is under way.

PrintEZ application now puts all errors received during a print job onto the clipboard for pasting into an email. Now, remembering what was said on the gray error boxes is not critical.

The text in the gray error message boxes is not truncated at 254 characters to prevent errors. The Clipboard version of the error will not be truncated.

Added PEZ functions "PARSE" and "MODROLLUP"

PARSE - Parses an XML value from an XML string. This is useful if you want to use something like `items.help_info` to store large text blocks to use on layouts `PEZ("PARSE", "XMLTAG", items.help_info`. In other words, if the item's `help_info` field had "`<XMLTAG>This is the stuff I want printed on the layout</XMLTAG> <SOMEOTHERTAG>blah blah blah blah</SOMEOTHERTAG>`", then the returned value would be "This is the stuff I want printed on the layout"

MODROLLUP - Returns a string of all the modifier descriptions and/or prices.

Note: This function only works on Confirmation letter layouts. It will not work on Regular graphic tickets and vouchers.

You can specify a pattern and a delimiter. Default pattern is "DESCRIP" and default delimiter is ", ". "DESCRIP" and "EXTENSION" are replaced in the pattern with the actual item values.

Example:

A rental package with a helmet and insurance modifiers

Sample call: `PEZ("MRU")` returns "Helmet, Insurance-Yes"

`PEZ("MRU", "DESCRIP (EXTENSION)", " - ")` returns "Helmet (5.00) - Insurance-Yes (1.00)"

There is also a "GRANDTOTALS" option to the `ModRollUp` function. It returns XML values for all the totals (Tax1Totals, Tax2Totals, FeeTotals, DiscountTotal and ExtensionTotal). You can access these values by using the **PARSE** function along with this new one like this: `VAL(PEZ("PARSE", "EXTENSIONTOTAL", PEZ("MRU", "GRANDTOTALS")))`

This will give you the grand total for the main item with all of the modifiers. This is useful if you want to print the total cost of the main item plus modifiers before you print all the detail (in the group header). If you are printing in the group footer, this new function is unnecessary.

PrintEZ application no longer uses the PdfPath, LayoutPath, DataPath and JpgTempPath values in the [Data] section

PrintEZ application no longer uses the PdfPath, LayoutPath, DataPath and JPGTempPath values in the [Data] section of PrintEZ_System.INI. These values are now passed to PrintEZ application after the object is created by calling the SetPaths() function. JpgTempPath is not passed by Sales. JpgTempPath now uses the %TEMP% environment variable. This removes some of the complexity surrounding the paths set in .INI files.

Changes to the Salesware platform

New FileSync installer

The new FileSync installer does the following:

The 4.1.01 FileSync installer performs the following tasks:

- Create the FileSync directory structure
 - Should create ProgramFiles\Siriusware\FileSync, containing:
 - FileSync.exe
 - ServiceMonitor.exe
 - Zlib.dll
 - ServiceMonitor_release.txt
 - FileSync_release.txtc
 - Tables.config
 - FileSync_System.INI
 - Required settings:
 - [Data]
 - ProgramDataPath=C:\ProgramData\Siriusware\Filesync
 - DataPath=C:\ProgramData\Siriusware\FileSync\Data\
 - TablesPath=%PROGRAMDATA%\Siriusware\Sales (This should point to a separate machine running Sales. The setting should be set for F&B installations, and should not be set for Rentals module installations)
 - [Server]
 - SalesEZ=127.0.0.1:4203
 - Optional settings:

- [Server]
 - ForwardInterval=10
 - ReconnectInterval=30
 - ServerTimeout=30
 - sp_suffix=101
- Should create ProgramData\Siriusware\FileSync, containing:
 - A "Data" directory
 - FileSync.INI
 - Required settings:
 - [Preferences]
 - salespoint=f_sync
 - operator=f_sync
 - Optional settings:
 - [Preferences]
 - VerbosityLevel=0
 - LimitLocalItems=TRUE
 - LimitLocalIItems=TRUE
 - LimitLocalSpecLink=TRUE
 - LimitLocalDCIMods=TRUE
 - ItemTreeId=23937
 - ItemTree=***ItemTree assigned from SysManager***
 - [UpdateFilters]
 - Invoices=(GETDATE()-date_time)<365
- Create the FileSync service with the following settings
 - Path to executable: C:\Program Files\Siriusware\FileSync\filesync.exe
 - From the command line, this would be sc create "Siriusware FileSync" binpath="c:\Program Files\Siriusware\filesync\filesync.exe"
 - Startup type: Automatic
 - From the command line, this would be sc config "Siriusware FileSync" start=auto
- Create a ServiceMonitor_FileSync shortcut with the following settings:
 - Target: "C:\Program Files\Siriusware\RunExe.exe" ServiceMonitor [EXEArgs][service]Siriusware FileSync fb[/service][port]14206[/port][EXEArgs]
 - Start in: "C:\Program Files\Siriusware\FileSync"
- Create an Update_FileSync shortcut with the following settings:
 - Target: "C:\Program Files\Siriusware\RunExe.exe" FileSync
 - Start in: "C:\Program Files\Siriusware"
- Append to the RunExe_System.INI file the following settings:
 - [Filesync]
 - Service=TRUE
 - ServiceName=Siriusware Filesync*

- `CompressEXE=C_filesync_*.EXE`
- `LocalPath=C:\Program Files\Siriusware\Filesync\`
- `UpdatePath=C:\Program Files\Siriusware\SiriusFS\Updates\`
- `EXEName=Filesync.EXE`
- In all specified paths, "C:\Program Files" should be "C:\Program Files (x86)" for installations on 64-bit systems.

Applications now look for sound and image files first in ProgramData

Applications now look for sound and image files first in ProgramData, and then in Program Files. For example, Sales now looks in ProgramData\Siriusware\Sales\Images first for all images, and if it can't find an image there then it looks in Program Files\Siriusware\Sales\Images as usual. Thus customizations to images and sounds can be made in ProgramData\Siriusware by users without disturbing the default images and sounds in Program Files\Siriusware. This functionality applies to Sales, GateKeeper, Kiosk modules and all other applications that use image and sound files.

Siriusware Update service will now look for a registry setting

Siriusware Update service will now look for a registry setting `HKEY_LOCAL_MACHINE\SOFTWARE\Siriusware\Installation\AdditionalCommonUpdateSeconds`. If present, after it waits up until 3 minutes for common update to complete, it can be directed to wait longer. It always moves on if common update has completed. This functionality was added to ensure that future releases will be able to implement the CommonUpdate functionality as an update file rather than as an .msi, which was required in this release due to the lack of this registry setting.

Zip code table is now exempt from structure checks at Sales startup

Zip code table is now exempt from structure checks at Sales startup. It is now located in Data folder in Program Files by itself, while all the rest of local data migrated to ProgramData. This has the happy side effect that you don't have to unzip `c_s_misc` back into the Data folder in ProgramData if you rename it or delete everything in it. However, with UAC on, if you go into Program Files/Siriusware/Sales and delete the Data folder, then Sales won't rebuild it and Sales shuts down after warning you that it can't find the zip code files. You have to manually unzip `c_s_misc` to get Sales started again, unless there is a new `c_s_misc` that Runexe application fetches from the updates folder. With UAC off, or on XP, Sales rebuilds the Data folder and Sales starts.

New location for Siriusware-related libraries

Siriusware-related libraries are now located in "c:\program files\common files\siriusware shared\" or in "c:\program files (x86)\common files\siriusware shared\" on 64-bit systems.

c_s_misc files (zip codes) are now located in a separate Data folder inside the Program Files/Sales/Data folder

c_s_misc files (zip codes) are now located in a separate Data folder inside the Program Files/Sales/Data folder. All other local data now "lives" in the ProgramData folder. Zip codes, however, are read-only, so can live here. Putting the files here solves the problem that has often cropped up whereby the local data is rebuilt but the zip code files were not added back in. Now they are always available.

Note: With UAC on, if you go into Program Files/Siriusware/Sales and delete the Data folder, then Sales won't rebuild it and Sales shuts down. You have to manually unzip c_s_misc to get Sales started again. With UAC off, or on XP, Sales rebuilds the Data folder and Sales starts.

Known issue:

There is one minor outstanding issue:

Place the Sales 4.1.01 update in your Updates path but do not place the newest c_s_misc.exe in your Updates path. Existing Salespoints will be fine, but new Salespoints will have the following problem with UAC on:

At startup Sales will dislike the indices in the old zip code table from the old c_s_misc.exe and will attempt to rebuild the indices at startup. With UAC on, this will fail and Sales will shut down after presenting the user with the error "Unable to open local files." The Sales log will contain an error message indicating that Sales failed to reindex the zipcode table because the zipcode table is read-only.

This can be fixed by either by downloading the newest c_s_misc.exe and placing it in Updates, or by starting Sales once with **Run As Administrator**. The only issue is whether clients run into this enough and need to go through support. In that event an attempt to improve the error message displayed to the user, to suggest that updating c_s_misc.exe may help. This can be fixed but is slightly difficult to fix since the user error message is displayed later after Sales realizes it didn't successfully initialize all of the local files, which is some time after Sales gives up specifically on the zip code table and logs the error message.

C_SM_MISC*.EXE and C_S_HELP.EXE

C_SM_MISC*.EXE and C_S_HELP.EXE are no longer used as parameters in the Runexe.INI file. This is discontinued legacy FoxPro functionality.

SiriuswareComplianceChecker available to check PA-DSS compliance

To run the SiriuswareComplianceChecker utility place it on a machine that has one of the following applications that connects to the SiriusSQL database you want to check: `ww.dll`, `Pool / SalesEZ`, `Pool / BookEZ`, `ReportManager`, `SysManager`. The utility will check for a connection to the database using the following in this order and will use that information to establish the connection: a `ww.dll` `ConnectionString`, `SalesEZ.INI`, `BookEZ.INI`, `ReportManager.INI`, `SysManager.INI`, `ReportManager_System.INI`, `SysManager_system.INI` or `ww_system.INI`. The utility also has a dropdown box for the user to select the appropriate database from those found if you want to run it on another database, for example, your training database. Double-click the **SiriuswareComplianceChecker.exe** file to run it, select the database using the dropdown if needed, then click the **Start** button to run the check. Once completed, the utility will inform the user of how many records were fixed. Note, the utility can be run multiple times if needed.

Pool Service will now look for its templates in the program data directory first and then in the program files directory

Pool Service will now look for its templates in the `ProgramData` directory first and then in the `Program Files` directory. This allows overriding of the templates in `ProgramData` and for updates to still happen in `Program Files`. Also, pool service has a lag time indication in this version (time lag introduced by pool service because of queuing).

SalesEZ application now looks for the new stored procedures

SalesEZ application will now look for the following stored procedures on the server:

- `SiriusSP_GetMatchingGuestsByFirstName`
- `SiriusSP_GetMatchingGuestsByLastName`
- `SiriusSP_GetMatchingGuestsByFirstAndLastName`

If procedures are found and **Execute Permissions** is granted to the `SiriusApp` role, they will be used instead of the default SQL query in the `GetMatchingGuests` call (Guest lookups from Sales), and can improve guest lookup performance.

A Script is available to install these three stored procedures for those that wish to try them in 4.0.58. They will be included by default in 4.1.01. The script is called `"CreateGetMatchingGuestsSPs.sql"`

New PoolManager services integrate with new PoolMonitor service to improve functionality

New PoolManager services integrate with new PoolMonitor service to improve functionality and provide better status and easier control via GUI interface to any Siriusware apps distributed as a service. With this, refinements have been added for integrating better with Service Monitor. Startup is now cleaner and instances may be added or killed from the monitor and activity can be returned. PoolService will now try three times to start, with five seconds in between. If the connection to the database is lost, it will then halt service.

Install pool service on any middleware machine and run an EZ using either the old pool or the new service

It's possible to install pool service on any middleware machine and run an EZ using either the old pool or the new service.

Doing a side-by-side install of PoolService allows you to fire up the old PoolManager OR the service (both can't be running at the same time).

Create a directory in Program Files\siriusware\poolservice. Put the following files in it:

```
poolservice.exe
servicemonitor.exe
Pool_system.INI
[Optionally for the fancy UI]
sirius-service.css
calldetail.html
main.html
serverdetail.html
back.jpg
corner-star.jpg
```

From a command prompt, you need to install the service.

```
sc create "Siriusware poolservice tallyez" binpath= "C:\Program
Files\Siriusware\PoolService\poolservice.exe TallyEZ40"
```

Set up a shortcut to servicemonitor.exe like this:

```
"C:\Program Files\Siriusware\PoolService\servicemonitor.exe"
"[service]Siriusware PoolService TallyEZ[/service][port]10007[/port]"
```

Special Instructions for installing multiple instances of Pool Service

Each service needs a unique name, in this example it will be SalesEZ-Scanning.

1. Install/create a new service by running the following at a command prompt:

```
sc create "Siriusware PoolService SalesEZ-Scanning" binpath= "C:\Program Files (x86)\Siriusware\Pool\poolservice.exe SalesEZ-Scanning"
```

The binpath must point to your existing Pool folder.

Note: make sure you have a space after the binpath= in the command.

2. Save and unzip the attached modifydacl file, make note of the path where you save it. From the command prompt, run the attached file, ModifyDACL.exe to set the proper permissions on the service:

```
C:\ModifyDACL.exe "Siriusware PoolService SalesEZ-Scanning"
```

3. Close the command prompt.
4. Edit the C:\Program Files (x86)\Siriusware\runexe_system.ini file, In the [Pool Service] section, add another line below the SalesEZ= line:

```
SalesEZ-scanning=SALESEZ_*.EXE
```

Note: This step may not be necessary because you are actually sharing an .exe with the original SalesEZ install. If you get an error after updating SalesEZ, then remove this line.

5. Edit the C:\Program Files (x86)\Siriusware\Pool_System.ini file, copy the [SalesEZ] section and paste it below itself. Change the name of the section to match everything else you have done and change the ListenPort to be something not in use by the system.

```
[SalesEZ-Scanning]
Name=salesez40.basic_sales
ListenPort=4205
Pool=3
```

6. Create a copy of the ServiceMonitor SalesEZ shortcut and change the name to match your new instance. Edit the properties of the shortcut and change the Target: value to match your new service, you need to update the information between the [service] [/service] and [port] [/port] tags.

```
"C:\Program Files (x86)\Siriusware\RunExe.exe" ServiceMonitor  
[EXEArgs][service]Siriusware PoolService SalesEZ-  
Scanning[/service][port]14205[/port][[/EXEArgs]
```

Installing Services and updates with French Language Systems

Install_Siriusware_CommonFiles 4.1.01 - FRENCH LANGUAGE SYSTEMS

Changed directory permissions on ProgramData\Siriusware to be set for "tout le monde" rather than "Everyone". Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on the SiriuswareUpdate service for the group "tout le monde".

Install_Siriusware_FileSync 4.1.01 - FRENCH LANGUAGE SYSTEMS

Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on all FileSync services for the group "tout le monde".

Install_Siriusware_PoolService 4.1.01 - FRENCH LANGUAGE SYSTEMS

Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on all Pool Services for the group "tout le monde".

Update_Siriusware 41 - FRENCH LANGUAGE SYSTEMS

Changed directory permissions on ProgramFiles\Siriusware to be set or "Utilisateurs" rather than "Users" Changed directory permissions on ProgramData\Siriusware to be set for "tout le monde" rather than "Everyone". Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on the SiriuswareUpdate service for the group "tout le monde".

Install_Siriusware_CommonFiles 4.1.02 - FRENCH LANGUAGE SYSTEMS

Changed directory permissions on ProgramData\Siriusware to be set for "tout le monde" rather than "Everyone". Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on the SiriuswareUpdate service for the group "tout le monde".

Install_Siriusware_MessengerService 4.1.02 – FRENCH LANGUAGE SYSTEMS

Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on the MessengerService for the group "tout le monde".

Install_Siriusware_PoolService 4.1.02 - FRENCH LANGUAGE SYSTEMS

Installs and runs the latest version of ModifyDACL.exe, which accepts arguments for specifying the user group for setting permissions. Sets permissions on all Pool services for the group "tout le monde".

Salesware is now DEP compatible

Salesware is now Data Execution Prevention (DEP) compatible.

Applications now uses the NovaPDF driver instead of Amyuni to generate all PDF files

PrintEZ, SysManager, ReportManager and other applications now use the NovaPDF driver instead of Amyuni to generate all PDF files. For more information, see [PrintEZ now uses the NovaPDF driver instead of Amyuni to generate all PDF files.](#)

If any printers in **Sales > Tools>Sales Pt Setup>Printing** are set to SiriuswarePDF application, they are automatically reset to SiriuswareNovaPDF at startup, and a message is displayed alerting the operator of this change.

Older imaging has been replaced by GDPicture to enable function with 64-bit windows

Older imaging has been replaced by GDPicture to enable function with 64-bit windows. This was done in Sales and any other application that displays or captures guest photos. Removed the Pegasus ImageXPress ActiveX control and replaced it with GDPicturePro. This requires installing the latest CommonFiles or CommonUpdate on every PC that will be running Sales, BatchPrint, ReportManager, PrintEZ, PayManager, and SysManager programs.

DynaZip Max (version 5) now used for all zipping operations in SysManager

DynaZip Max (version 5) now used for all zipping operations in SysManager.

Support for Windows 7

In order to meet Microsoft Windows 7 certification requirements, FileSync application now looks for a `Filesync_system.INI` file and `tables.config` file in its local directory, usually `C:\Program Files\Siriusware\FileSync`. In `Filesync_system.INI`, it expects to find a `[Data]` section containing a `ProgramDataPath` (where the `ProgramData` is to be stored) as well as a `DataPath` setting (where the local tables that FileSync application is to manage are stored. Typically this is in a directory labeled `data` or `shared_data`). Also in `Filesync_system.INI` is a `[Server]` section containing settings for `ForwardInterval`, `ReconnectInterval`, `ServerTimeout`, `SalesEZ`, and `sp_suffix`. The `tables.config` file is usually distributed with FileSync (for F&B it is generated by Sales and for Rentals module it is manually maintained). `Filesync.INI` is located in the `ProgramDataPath` (usually `ProgramData/FileSync`) and contains a `[System]` section with a `Status`, `Ready`, `LastUpdate`, and `LockKey` entry. It also contains a `[Preferences]` section with `ItemTreeId`, `ItemTree`, `VerbosityLevel`, `LimitLocalItems`, `LimitLocalItems`, `LimitLocalSpecLink`, `LimitLocalDCIMods`, `salespoint` and operator settings. `Updatefilters` are now set identically to the way they are set in Sales (in the `[UpdateFilters]` section) in the `Filesync.INI` file. The `[RecordCounts]` section is also supported. This way, the `tables.config` can be overwritten at any time and the configured filters will remain. FileSync application will now set its `itemtree` based on the setting in `SysManager`. However, in order to trigger a refresh, `itemtree` must be deleted. `SysManager` can now be run with User Account Control (UAC) settings at a higher security level. A manifest file is created and seen in the same directory in which the executable is located. `ReportManager` can now be run with UAC settings at a higher security level. A manifest file is also created and seen in the same directory in which the executable is located. `BatchPrint` utility can now be run with UAC settings at a higher security level. A manifest file is created and seen in the same directory in which the executable is located. `Inventory Pricer` program will not halt the progress of a Windows shutdown if running when a shutdown is activated, manifest file was also added and `calendar` function was changed to work properly. `PayManager` has added `Manifest`. Changes were made so that `Pay Manager` won't halt a windows shutdown if it is running when a shutdown is initiated. `ResPrint` utility can now be run with UAC settings at higher security levels, a manifest file is also created and seen in the same directory in which the executable is located. In accordance with Windows 7 and Gold Certification, `SeeBooks` application will run with User Account Control activated and will not halt a Windows shutdown if running when the shutdown is initiated. In accordance with Windows 7 and Gold Certification, `RentEZ.INI` files will now reside in both the program location and the data file location. In addition, the application will run with UAC Control on, and will not prevent a Windows shutdown from occurring if `RentEZ` application is running when a shutdown is initiated. `RentPrint` application can now be run with UAC settings at a higher security level. A manifest file is created and seen in the same directory in which the executable is located. The `Sales` application can now be run with UAC on its highest security setting. `PMSServer`, `Folio Charge` module now adheres to Windows 7 compliance requirements. Most of this is behind the scenes; what may be noticeable is the application that now runs with UAC on.

Required `.INI` files will now be located in the following locations:

- `Program Files (x86)\Siriusware\SysManager` will contain a `SysManager_System.INI` file which contains `DATA` and `SERVER` sections.
- `Program Data\Siriusware\SysManager` will contain a `SysManager.INI` file which contains all other information.

- Program Files (x86)\Siriusware\BatchPrint will contain a BatchPrint_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\BatchPrint will contain a BatchPrint.INI file which contains all other information.
- Program Files (x86)\Siriusware\pool will contain a BookEZ_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\Pool\BookEZ will contain a BookEZ.INI file which contains all other information.
- Program Files (x86)\Siriusware\ReportManager will contain a ReportManager_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\ReportManager will contain a ReportManager.INI file which contains all other information.
- Program Files (x86)\Siriusware\ResPrint will contain a ResPrint_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\SysManager will contain a ResPrint.INI file which contains all other information. Application will now correctly call up log-in screen when program is launched.
- Program Files (x86)\Siriusware\pool will contain a SalesEZ_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\Pool\SalesEZ will contain a SalesEZ.INI file which contains all other information.
- Program Files (x86)\Siriusware\ScanWatch will contain a ScanWatch_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\ScanWatch will contain a ScanWatch.INI file which contains all other information.
- GateKeeper module now runs in a manner that satisfies Windows 7 certification. Static files are in \Program Files\Siriusware\Gatekeeper and dynamic files are to be found in \ProgramData\Siriusware\Gatekeeper. .INI settings are now split between \ProgramFiles\Siriusware\Gatekeeper\gatekeeper_system.INI, containing [DATA] and [SalesEZ] sections and the rest of the .INI setting residing in \ProgramData\Siriusware\Gatekeeper\gatekeeper.INI
- Folio Charge module now installs and expects the .INI configuration files in different locations. The PMSServer.INI (containing user preferences), the PMS_scale.INI and the PMSServer_log.txt are now located in the ProgramData directory. A new .INI file (PMSServer_System.INI) containing the [Data] & [Server] information is created and is located in the same directory as the executable.
- Program Files (x86)\Siriusware\Sales will contain a PrintEZ_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\Sales will contain a PrintEZ.INI file which contains all other information.
- Program Files (x86)\Siriusware\PayManager will contain a PayManager_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\PayManager will contain a PayManager.INI file which contains all other information.

- Program Files (x86)\Siriusware\pool will contain a TallyEZ_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\Pool\TallyEZ will contain a TallyEZ.INI file which contains all other information.
- Existing Runexe_System.INI file will contain a section for Helper information. After installation, during first launch of the application, a new Helper.INI file will be created and reside in the ProgramData file location.
- Program Files (x86)\Siriusware\InvtPricer\ will contain a InvtPricer_System.INI file which contains DATA and SERVER sections.
- Program Data\Siriusware\InvtPricer\ will contain a InvtPricer.INI file which contains all other information.
- SeeBooks application now expects a SeeBooks_system.INI configuration file in the folder where the SeeBooks application executable is installed and displays missing .INI message at startup if not present.
- Sales now expects that the required .INI files will now be located in the following locations: Program Files (x86)\Siriusware\Sales will contain a Sales32c_System.INI file which contains DATA and SERVER sections. Program Data\Siriusware\Sales will contain a Sales32c.INI file which contains all other information.
- In accordance with Windows7 compliance, RentEZ application now requires that .INI files will now be located in the following locations: Program Files (x86)\Siriusware\Pool will contain a RentEZ_System.INI file which contains DATA and SERVER sections. Program Data\Siriusware\Pool\RentEZ will contain a RentEZ.INI file which contains all other information.
- In accordance with Windows7 compliance, TechStationPC now requires .INI files to be located in the following locations: TechStationPC_System.INI file which contains the Data and Server sections will be located in Program Files along with the executable. TechStationPC.INI file which contains the Preferences section will be located in Program Data.
- Made changes to the .INI files to support ww.dll. The following settings were changed: All settings in the [CC] section were moved to [Server] and are in the ww_system.INI. These settings are ProtoBase, Timeout, TerminalID, Operator, AccountID, OCV, PreAuth, DPSAuthSSL, DPSAuthSSLUsername, DPSAuthSSLPassword. Also, Timeout, TerminalID, Operator, and AccountID have become CCTimeout, CCTerminalID, CCOperator, and CCAccountID. Verbosity, LogDir, EventLog Verbosity, and SingleLog settings remain in [Preferences] in the ww.INI. All other settings in Preferences have been moved to [Data] in the system .INI. ConnectionString, DefaultInfo, ReplSpSuffix, TestCard, SaveSize, GuestFilter. (Also, CheckWWSaleID - not set by user). The VersaPay section was moved to the system .INI.

New icons and splash screens

New Siriusware icons and splash screen will now be shown when executing the FileSync applications. The new graphics are red with the white Siriusware star ®. The new Siriusware icon is now used for the GateKeeper shortcut and the GateKeeper splash screen. Customer will see new Siriusware icon on the desktop to launch Helper.Exe. New splash page will appear when program is loading. New icon will appear in upper left corner. Current version

will be displayed when viewing the "About" form in the application. New icons and splash page reflect a red background and white graphic star ®. New icons will appear at program launch and in the upper left corner of the application. New icon consists of the red and white star graphic ®. Splash screen shown when program is loading is now the red graphics screen with the white Siriusware star ®. Icon in upper left corner of program is the red graphic with the white Siriusware star®. New Siriusware icon (red/white star graphic®) will display when in the Photo application within Siriusware. ScanMan modules will now utilize the new red/white star icons®. New red and white Siriusware icons will now display on forms related to PrintEZ application.

Sales now uses less memory

Sales uses less memory (RAM).

Dropping support for SQL Server 2000

This release drops support for SQL Server 2000. In fact, the update script now checks for this and will halt with an informational message if the client is still running SQL 2000.

All .exe's and .dll's are now digitally signed

To comply with PA-DSS requirements, all .exe's and .dll's are now digitally signed to prevent installation of fraudulent software. Runexe is the only app that checks update files for digital signatures, but clients can verify the authenticity of any .exe or .dll from Siriusware by right clicking on the file and looking into the file properties. There should a tab called **Digital Signature**. If the tab is there then the file came from Siriusware Inc. ® and is authentic.

If there is an error, look in the log file. An error message is in the log. A security warning will be considered as a future enhancement.

Note: If the security certificate is invalid for an update, meaning a corrupt or modified file, the executable will fail to load and a message about the failed certificate validation will be in the logfile for that executable.

bookez_xxxx.exe
c_bprint_xxxx.exe
c_commonupdate_4056.exe ,
c_commonupdate_4101.exe ,
c_confmgr_xxxx.exe
c_filesync_xxxx.exe
c_gatekeeper_xxxx.exe

c_gimport_xxxx.exe
c_helper_xxxx.exe
c_paymgr_xxxx.exe
c_pms_xxxx.exe
c_poolservice_xxxx.exe
c_RentPrint_xxxx.exe
c_resprint_xxxx.exe
c_rptmgr_xxxx.exe
c_runexe_xxxx.exe
c_sales_xxxx.exe
c_scnw_xxxx.exe
c_seebks_xxxx.exe
c_ServiceMonitor_xxxx.exe
c_sysmgr_xxxx.exe
c_ww_xxxx.exe
InvntPricer_xxxx.exe
printez_xxxx.exe
RentEZ_xxxx.exe
salesez_xxxx.exe
tallyez_xxxx.exe

A new license column (GKS) has been added in license manager

In preparation for adding Access control module functionality at the salespoint, a new license column (GKS) has been added in license manager.

Runexe application requires the SiriuswareUpdate service

Runexe application requires the SiriuswareUpdate service. If the SiriuswareUpdate service is disabled or otherwise unavailable the user will see the message: "This application cannot execute without its loader." When working properly, no visible changes will be apparent to the user.

Common Files installer no longer installs c_s_misc.exe

The Common Files installer no longer installs the `c_s_misc.exe` file. This file is updated at a greater frequency than the Common Files installer, so you must manually download and install this file from the portal when performing a fresh install.

Upon startup, SysManager no longer checks for the presence of ssleay32.dll and libeay32.dll

Upon startup, SysManager no longer checks for the presence of `ssleay32.dll` and `libeay32.dll`. `SiriusUtil.dll`, which is still required by this module, is no longer dependent on these two support DLLs.

Pegasus ImageXPress ActiveX control has been replaced by the GDPicturePro control

Pegasus ImageXPress ActiveX control for any photo capture in SysManager (**Guest Edit**, **Operator Edit**, **Instructor Edit**, the **Web** tab on the Account Edit and the Booking Details Forms) has been replaced by the GDPicturePro control.

Note: The new control is contained in the newest common update and must be run for photo capture to work. The ImagXpress imaging system has been replaced with GDPicture for GateKeeper module.

ScanWatch utility is Windows 7 compliant

ScanWatch utility is Windows 7 compliant.

Pool Service is Windows 7 compliant

Pool Service is Windows 7 compliant. All Dynamic files are in `C:\ProgramData\Siriusware\Pool`.

SQL Server 2008 SP1 certified for use

SQL Server 2008 Service Pack 1 has been tested and found to work with Salesware version 4.1.01.

SQL Server 2008 SP2 certified for use

SQL Server 2008 Service Pack 2 has been tested and found to work with Salesware version 4.1.01.

SQL Server 2008 R2 certified for use

Siriusware has tested SQL Server 2008 R2 and has found no compatibility issues with Salesware. There are few if any differences between SQL Server 2008 R2 and 2008 in practical use. The biggest changes a client might be able to use seem to be in Reporting Services. See <http://msdn.microsoft.com/en-us/library/bb500435.aspx>.

Updates to Salesware installers

In the Sales installer, the user is now prompted for the salespoint mode and the Interface .INI setting is set appropriately for the different modes Classic, Web, SimpleSales, etc.). The FileSync installer now checks for the .NET Framework 3.5 (required) before installing FileSync application.

Elimination of SiriusFS folder for new installations

On new installs, the SiriusFS folder is no longer used. Instead, a folder named Siriusware is installed at the root of the C: drive (configurable) with all the subfolders (Updates, Data, etc.) there.

New ww.dll installer

The ww.dll installer (Install_Siriusware_ww_xxxx.msi) installs ww.dll on a "fresh" system starting with the 4.1.01 release. It creates Program Files\Siriusware and ProgramData\Siriusware directories the same way the other Siriusware installers do. It also adds a shortcut to the desktop that enables you to update ww.dll by simply clicking on the icon. The installer will also create the SiriusWeb user and run the create_AppRole_SiriusSQL.sql script if you have SQL Server installed on the system and a SiriusSQL database attached. If SQL Server isn't installed on the server where ww.dll is installed, the SiriusWeb user must be created manually and the create_AppRole_SiriusSQL.sql script must be run by the user, as described in the *Salesware E-Commerce Installation Guide*.

ww.dll is normally pooled as a web garden under IIS. In rare instances it is still installed as a COM+ object. Directions on installing ww.dll as a web garden are here:

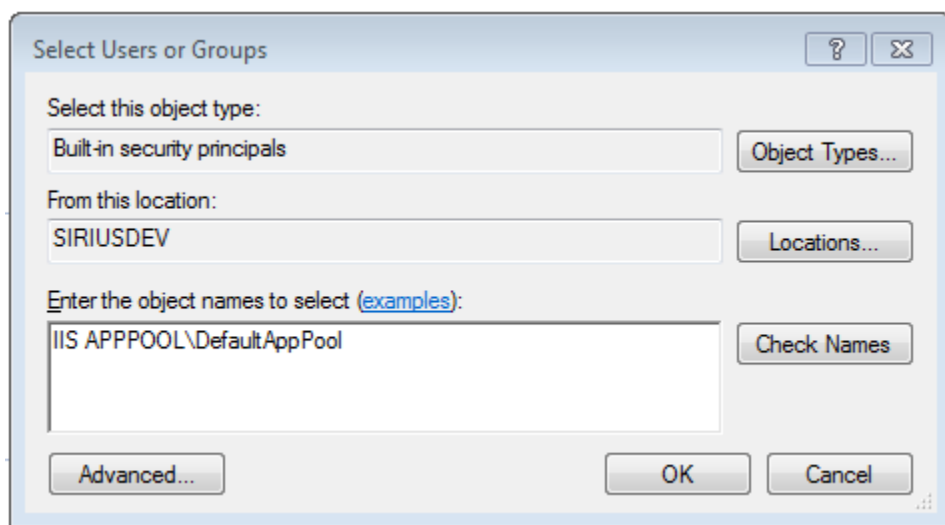
http://portal.siriusware.com/docs/kb-pdf/Installation_and_updates/e-commerce_2010_mar_8.pdf

You may need to manually register ww.dll after running the installer. To do this, open a command prompt to the E-Commerce folder and manually register: `ww.dll /regserver`.

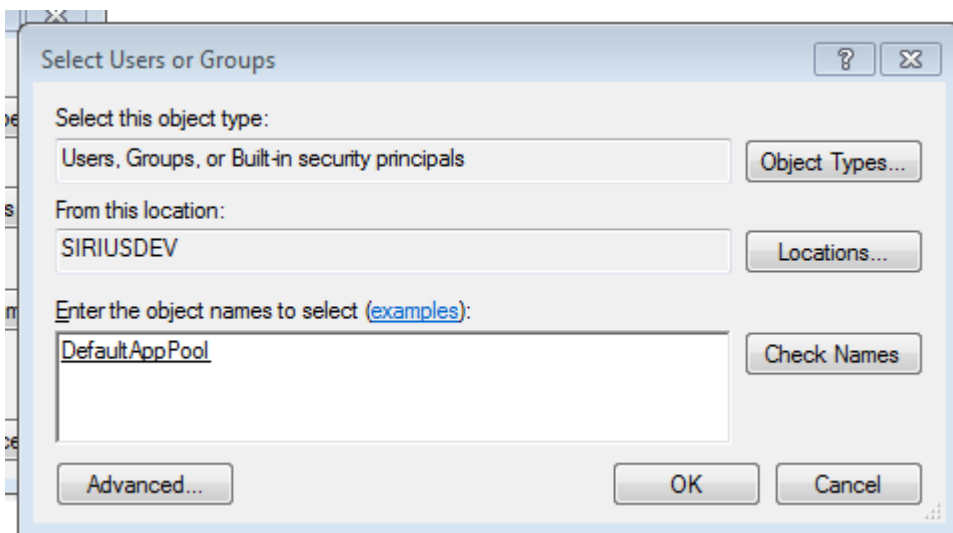
Another known issue with installing ww.dll is the following:

Apparently in IIS 7.5+ there are new security settings/features etc. When you look at the settings for DefaultAppPool in IIS you find that the Identity selected is not “NetworkService” (which is the old default) but instead “ApplicationPoolIdentity”. It is difficult to use the GUI to give permissions to this new IIS account, so you need to do the following:

Right-click on **ww.dll** and select **Properties**. Go to the **Security** tab and select **Edit**. Click **Add** to get to the **Select Users or Groups** tab. Make sure that you have **Select this object type** set to include Built-in security principals, make sure that Location is set to your local machine, then type the exact text you see below into the object names box:



If you did this correctly, when you click **Check Names** you should see:



After you have found this new, super-top-secret-hard-to-find-through-the-GUI-much-complained-about-in-Internet-posts built in account, click **OK** and grant it Read and Read & Execute permissions on ww.dll and you should be good to go.

It is possible to create an item with an Axxess Smart Printer layout that only encodes the Siriusware segment of the card

It is possible to create an item with an Axxess Smart Printer layout that only encodes the Siriusware segment of the card (no gate validation segments) along with a printed <CardMask> section and guest photo. An activity type 150 record is NOT generated in this scenario, because there is no Axxess data to forward to the Axxess database via the SOAP EDE.

Verification of an available segment for re-encoding during the reload process is more accurate.

The <IGNOREONEXCHANGE> sales action tags function the same for Axxess items as all other access and gst_pass items.

Changes to Reporting

Period Sales Report (Depts/Cats and Depts/Cats/Items options):

- Restored layouts to version prior to fix made in 0261. Determined this reporting engine problem was corrected by Microsoft in a hotfix which is now incorporated into the latest CommonFiles and CommonUpdate_4101.
- Account Statement report: Restored layouts to version prior to fix made in 0261. Determined this reporting engine problem was corrected by Microsoft in a hotfix which is now incorporated into the latest CommonFiles and CommonUpdate_4101.

- Period Sales Report (Depts/Cats and Depts/Cats/Items options): No longer repeats the display of the department band at the top of each new page. The reporting engine could incorrectly display the next department if the new page is displaying just the summary totals for the current department.
- Account Statement report: No longer repeats the display of the invoice number band at the top of each new page. The reporting engine could incorrectly display the next invoice number if the new page is displaying just the summary totals for the current invoice.

RentEZ will no longer error when RentPrint is not installed.

RentEZ will no longer error when RentPrint is not installed. Printers.dbf file will now be created by RentEZ in the absence of RentPrint.

Fixes

- 643 – Activity/Facility Scheduling module – Can no longer enter a negative number for a pod limit.
- 15875 – Activity/Facility Scheduling module – The problem with improperly refreshing the Pod Schedule display in SysManager with the wrong dates after adding a new pod limit and viewing "One Pod / All Days" has now been fixed. The new starting date for the schedule, when it refreshes, will be the date of the newly created pod limit.
- 18095 – Axxess gates/E-Commerce modules – Old WTP numbers on prior passes are now overwritten with the new WTP number when a pass exchange is done and TransferScanActivity is called.
- 16424 – BatchPrint utility – A SQL server ODBC connection error "Arithmetic overflow error converting expression to data type int" which may occur under some circumstances when the **Select Passes Only For Site** option is checked, has been fixed.
- 18659 – BatchPrint utility –The "Property Controls is not found" error message was fixed when saving criteria.
- 20046 – BatchPrint utility - An error no longer occurs when closing BatchPrint if AxCoding is not installed on the computer.
- 20070 – BatchPrint utility - Guest photos are now retrieved from the server in the correct format for printing graphic passes.
- 20131 – BatchPrint utility - Guest photo rotation as defined in the Axxess Smart Printer layout in SysManager is respected when using BatchPrint to encode Axxess media
- 20404 – BatchPrint utility - Logging has been added to BatchPrint utility. To activate add the following to the BatchPrint.INI file:

[Preferences]
VerbosityLevel=5

- 20512 – BatchPrint - The **Account** filter on the **Pass Selection** tab of BatchPrint utility now works correctly for passes sold on account.
- 15538 – Charge Cards module – The `sp_log` now differentiates between credit card transactions that were approved outright, that successfully saved as offline credit card transactions (met the "Assume Approvals if Invoice amount <=\$" criteria in **Tools > Credit Cards > General setup** and offline transactions that are successfully processed after credit cards are back online. Outright approvals write, "Card Authorization Succeeded: Type = VISA - 1111, Amount = 10.00", successfully saved offline transactions write, "Offline Card Authorization Succeeded: Type = VISA - 1111, Amount = 10.00" and offline transactions successfully processed write, "Processing Offline Card Authorization Succeeded: Type = VISA - 1111, Amount = 10.00".
- 15538 – Charge Cards module – When a credit card transaction is declined and the sale is cleared, a `sale_hdr` record is now created agreeing with the `sale_no` that was written with the `cc_trans` record. When this situation occurs "ClearedSale" is written to `sale_hdr.message` field to distinguish these records. This corrects the previous behavior where the next sale would have the `sale_no` of the declined credit card transaction even though, the sale had nothing to do with the credit card transaction.
- 16261 – Charge Cards module –Credit card receipt pause was restored between receipts. Value "CCReceiptPause=True" needs to be added to .INI file.
- 16342 – Charge Cards module – Sales now correctly writes CREDIT to the `cc_auth approval` field on an approved credit from DirectNet. Credits/refunds, therefore, are no longer striked out in the Batch Detail Report, appear in the correct amount and have CREDIT as an approval.
- 16511 – Charge Cards module – It is no longer possible to swipe a credit card quickly, multiple times and have the credit card swipe information fill in the **Override Transaction** dialog with an erroneous, long approval code.
- 16994 – Charge Cards module – Credit card numbers returned from Payment Express processing are now masked in verbosity 5 or higher logs. The expiration date no longer appears in the logs.
- 16995 – Charge Cards module – An intermittent issue has been fixed with EFTPOS when a debit card is declined when it is actually approved after the initial swipe was unsuccessful and a retry is requested.
- 17000 – Charge Cards module – Using credit card swipe function on a partially finalized sale, when that saved sale is linked to a reservation header and has an account attached, will now process properly.
- 18227 – Charge Cards module – The “C” M&M button will now show the proper status of the credit cards for PCEFTPOS.
- 18280 – Charge Cards (Moneris) – The issue with some TSR transactions getting stuck in the pre-authorization stage has been fixed.
- 18385 – Charge Cards module – Reversing a Canadian debit card payment using tips now works correctly.
- 18500 – Charge Cards module – A bug was fixed to correct the zip code not being populated when using guest's card-on-file cc to pay for items.
- 19834 – Charge Cards module - If tips were disabled because of the credit card terminal type, any tips that were entered were still being written to the transact table. This has been corrected.
- 20236 – Charge Cards (Canadian) module - Fixed issue with Paymentech EMV pinpad asking for credit card swipe during a post-auth transaction (finalization of a restaurant service salespoint).

- 20285 – Club Management - The Club Member Purchases stored procedures have been updated for version 4.1.01. Both `_rs_clubmemberpurchases` and `_rs_clubmemberpurchases_PT` return the same set of data, and the only difference between them is in the encryption/decryption used. Set both "EncryptReportQueryString" in the `web.config` file for the E-Commerce pages and "HashedStoredProc" in the `web.config` file for the Club Management pages to "1" to use the .NET encryption/decryption (uses the `_rs_clubmemberpurchases_PT` stored procedure). Set the value for both keys to "0" to use the old hash style encryption/decryption (uses the `_rs_clubmemberpurchases` stored procedure). Running with .NET encryption/decryption will normally work faster
- 20607 – Club Management - Code has been added to properly handle the "+" symbol in URLs passed to the Club Management pages when using .NET encryption/decryption.
- 18705 – Direct-To-Lift – ValidatePass and ValidateCard: Validation capabilities which perform an autosale DTL charge, now use the original sale transaction the pass was sold on, to determine if the pass was sold on an account. If that account does not have an "Autoscan" invoice assigned, SalesEZ application will now fall back and attempt to charge the guest credit card on file (if available).
- 18706 – Direct-To-Lift – Sales no longer populates the `gst_pass.account` field when no autoscan value is associated with the account. Direct To Lift passes will, therefore, not have an account associated with them and will charge the guest's credit card as they should.
- 12294 – Dynamic Pricing capability – Conditional statements in Dynamic Pricing rules that contain negative numbers should now work correctly. This allows refunding of items using Dynamic Pricing rules to work correctly. The following example shows a working Dynamic Pricing rule using negative numbers:

```
IF(QTY(1), SETPRICE(3.00))
IF(QTY(>1), SETPRICE(2.00))
IF(QTY(7-10), SETPRICE(1.00))
IF(QTY(>10), SETPRICE(0.75))
IF(QTY(-1), SETPRICE(3.00))
IF(QTY(<-1), SETPRICE(2.00))
IF(QTY(-10--7), SETPRICE(1.00))
IF(QTY(<-10), SETPRICE(0.75))
```

- 15778 – Dynamic Pricing capability – Modifiers now use the quantity of main item for initial quantity (not "1" as it had been). This allows a modifier Dynamic Pricing rule of `IF(QTY(1), PREVENTUSE("Not valid for odd quantities"))` to work correctly instead of continually failing.
- 16339 – Dynamic Pricing capability – Dynamic Pricing rule now works correctly with `SETTAX` on direct priced item. Tax is able to be removed with **Tax Exempt** button in both direct price configuration and non-direct price configuration.
- 16716 – Dynamic Pricing capability – `MOVEREVENUE` rule now supports more precision, up to 4 places after the decimal, when moving revenue by percent (e.g., 33.3333 rather than just 33). `MOVEREVENUE` will now divide by quantity when allocating revenue on a percentage basis. (Fixed amounts will not be divided.) If it's necessary to NOT divide by quantity (such as when an access item has a number of uses equal to its quantity) the percentage can be followed with ' *QTY ' in order to allow it behave correctly.
- 16770 – Dynamic Pricing capability – When using the same Dynamic Pricing rule (containing a `selectivespecial` macro) for several items, Sales will now respond and discount the items correctly when multiple items using that rule have been added to the sale.

- 14812 – E-Commerce module – You no longer get an error in the E-Commerce pages when trying to add an item to the cart when the key, `DatedItemTypes`, is missing from the `web.config` file.
- 15478 – E-Commerce module – The `web.config` file setting `<add key="ParentingLevel" value="0"/>`, once again works correctly. "ParentingLevel" sets how guests will be associated in a multi-guest sale. When set to "0" no action will be taken; when set to "1" guests will inherit the Head Guest in the sale as their parent only if they don't already have a parent assigned in their guest record (if a guest record has a Parent # of 0 or a Parent # that is the same as the Guest #, then that guest is considered to not have a parent assigned in their guest record); when set to "2" guests will always inherit the Head Guest as parent.
- 15689 – E-Commerce module – The E-Commerce pages will now display a message if the password reset template is not found. The message appears after the user is redirected to the `error.aspx` page as follows: "PswdEmailTemplate2(template/PasswordReset2.txt) file is not present in template directory". The wording of this message is currently not configurable.
- 15779 – E-Commerce module – The E-Commerce pages now correctly enforce pass validation on items when items are configured to restrict validation to specific passes.
- 15920 – E-Commerce module – Negative quantities once again work correctly when used in the E-Commerce pages to give discounts via Cart Rules with `ww.dll`.
- 15927 – E-Commerce module – An Issue was fixed related to intermittent errors when finalizing E-Commerce sales related to guests using non-conforming email address formats creating guest records.
- 15947 – E-Commerce module – Uploading a photo via the E-Commerce pages and saving it into a guest record now correctly updates the `guests.mug_date` field in the SiriusSQL database for that record.
- 15952 – E-Commerce module – The `ItemShow.aspx` page once again loads faster when displaying items/modifiers that are configured with Max4Sale or Points4Sale capabilities. Changes in the version 4.0.58 pages caused a slowdown in some situations, when the pages were making too many calls to `ww.dll` to get calendar information. In addition, a bug was fixed that caused an error on the `CartShow.aspx` page.
- 15978 – E-Commerce module – An apostrophe in the **Account Full Name** field will no longer prevent club leaders from posting e-messages to their club page in E-Commerce module.
- 16009 – E-Commerce module– `asp:Panel id="pDonate"` no longer incorrectly displays on the `Checkout4.aspx` page.
- 16086 – E-Commerce module – Looking up a sale by using the Web Sale ID while in "Research" mode of the Sales **Recall Sale** dialog and including finalized sales will now correctly return any matching finalized E-Commerce sales.
- 16093 – E-Commerce module – Users no longer get an error when using a stored credit card for an E-Commerce purchase.
- 16129 – E-Commerce module – The `web.config` file setting `<add key="NoDefDate" value="1"/>` once again correctly forces a date selection from the calendar when the `ItemShow.aspx` page loads.
- 16146 – E-Commerce module – Passes and In-House Cards items and modifiers now get correctly handled as far as finalizing or not finalizing when an E-Commerce sale is processed. In addition, Passes and In-House Cards modifiers will always get finalized or not finalized, according to how the main items they are modifying, are handled when the sale is processed.

- 16222 – E-Commerce module – The **NewGuestFill** key in the `web.config` file once again correctly populates guest fields for new guests on the `GuestEdit.aspx` page according to the following: This key can be set to a value of "0", "1" or "2".
 - 0 - Always inherit and populate basic information (last name, address, and phone information) from the head guest, if present, and then whatever was entered into the first/last name fields from the last lookup, if filled or used.
 - 1 - Only inherit and populate information if the first/last name lookup fields are not populated or the last name is the same as the head guest, if there is one.
 - 2 - Never inherit or populate head guest information for new guests - just fill with lookup names if possible.
- 16230 – E-Commerce module – Pricing on the `ItemShow.aspx` and `CartShow.aspx` pages once again displays correctly for items in `MultiAddITGroups` when running with the following `web.config` file setting: `<add key="ShowTotalItemPriceInLineItemLists" value="1" />`
- 16262 – E-Commerce module – Users no longer get the error "Column 'price' does not belong to table row" when setting the quantity for a `MultiAddITGroup` item on `ItemShow.aspx`. Also, the key `NoDefDate` is now working correctly when dealing with `MultiAddITGroup` items and regular items.
- 16359 – E-Commerce module – When the `Checkout3.aspx` page first loads, the **Balance Remaining** field will no longer be displayed. When using a single card to make the payment, the **Balance Remaining** field will remain hidden. `Checkout3.aspx` will only show the **Balance Remaining** field when the sale is being paid with multiple cards.
- 16399 – E-Commerce module – Fees are once again properly handled and displayed in line item prices and in the shopping cart. When `<add key="ShowTotalItemPriceInLineItemLists" value="0" />` is set in the `web.config`, the line item price for an item that includes a fee will show the price without the fee, and the fee will be displayed in the cart as part of the second tax line. When `<add key="ShowTotalItemPriceInLineItemLists" value="1" />` is set in the `web.config`, the line item price for an item that includes a fee will show the price with the fee, and the fee will also be displayed in the cart as part of the second tax line. To customize the label for this in the cart, modify the following line in `cart.ascx`:
`<asp:Label Runat="server" ID="lblTaxFeesLabel2">Tax/Fees:</asp:Label>`
- 16415 – E-Commerce module – The E-Commerce pages will now trap errors that search engine robots cause when trying to pull up an item from pre-version 4.0.58 pages. Instead of generating an error, a redirect to the `ItemList.aspx` page will occur.
- 16498 – E-Commerce module – Each newly created guest once again becomes the head guest when created one after the other and when `<add key="AllowMultiLogin" value="0" />`.
- 16544 – E-Commerce module – Calendar Max4Sale availability is once again displaying and updating correctly on the `ItemShow.aspx` page.
- 16624 – E-Commerce module – A problem was fixed that kept the second customer record added, during an E-Commerce transaction, from saving credit card information to the guest record.
- 16635 – E-Commerce module – Guest names are once again displayed correctly in confirmation emails for items that require guests and the line item quantity is greater than one.
- 16636 – E-Commerce module – Users no longer get an error at checkout when using a stored card to pay for an E-Commerce sale.

- 16643 – E-Commerce module – Errors that occur when the session starts with the E-Commerce pages or those that occur when either the database is out of date or the connection to the database is not occurring will now be trapped and handled better.
- 16688 – E-Commerce module – A bug has been fixed in the pages that caused Points4Sale capability to be calculated incorrectly for Reverse Mods.
- 17003 – E-Commerce module – First and second level modifiers will now be displayed in a consistent manner in the E-Commerce shopping cart. The first level modifiers will be indented slightly under the main item, and the second level modifiers will be indented further under the first level modifier to differentiate them from first level modifiers.
- 17021 – E-Commerce module – Liability forms acceptance once again works correctly for guests attached to items/modifiers.
- 17044 – E-Commerce module – Direct links to items in the E-Commerce pages via the `ItemShow.aspx` page will now take into account the Salespoint Type configured for the item as well as the `web.config` file setting `<add key="SPTType" value="7" />`. If the Salespoint Type configured for the item is not one of the SPTType values in the `web.config` file, and if an online guest clicks on a direct link to that item, they will be redirected to the error page.
- 17070 – E-Commerce module – Item prices now correctly display on the `ItemShow.aspx` page when the **Min Qty** for the item is set to a value greater than one. The price displayed when the page loads will now be the total price for the quantity as set by the **Min Qty** setting on the **Restrictions** tab of the Item Edit Form in SysManager.
- 17110 – E-Commerce module – Users no longer get an error when there are multiple items in the shopping cart and you delete one of them.
- 17159 – E-Commerce module – Modifiers and modifiers on modifiers, now appear in the correct order in the E-Commerce pages shopping cart.
- 17172 – E-Commerce module – Selling ReverseModDCIs items no longer causes the **modifiers on modifiers** dialog to pop on the `ItemShow.aspx` page. The following must be set in the `web.config` file in order for this to work correctly: `<add key="ShowModOnMods" value="0" />`.
- 17199 – E-Commerce module – Pricing anomalies with In-House Cards items and items with modifiers have been fixed in the E-Commerce shopping cart.
- 17289 – E-Commerce module – The `Acct_name` and `Acct_desc` fields in the `Resrvatn` table are now populated correctly when a sale is made via E-Commerce and the `UseResHeaders` key is set to "1" and Web Sales Host is configured to use reservation headers. When the `<acct_name>` and `<acct_desc>` tags are populated in the `<res_hdr> . . . </res_hdr>` section of the sale string (as they would be for either group sales or Club Management sales), the fields in the `Resrvatn` table will be populated with the values contained in the sale string. When the `<res_hdr> . . . </res_hdr>` section of the sale string does not contain `<acct_name>` and `<acct_desc>` tags (as would be the case for sales done when not logged into a group or club), the `Acct_name` and `Acct_desc` fields in the `Resrvatn` table will be populated with `*RESRVATN*`.
- 17294 – E-Commerce module – A pricing problem that involves multiple cart rules adding the same item has been fixed in the E-Commerce pages.
- 17401 – E-Commerce module – Reverse Mods configured with Points4Sale capability once again work correctly when **ReconcileRevModsWithMinMax** is set to "1" or "0".
- 17426 – E-Commerce module – The invoice number (`invoice_no`) is now being added to the `rec_out` field during E-Commerce and card not present sale transactions for forwarding to credit card processor.

- 17522 – E-Commerce module – A bug was fixed that was causing Sales to fail when using the web service (wwService) with no encryption between the service and pages.
- 17547 – E-Commerce module – A bug was fixed that would prevent modifiers with RTI enabled to be reserved in the correct quantity.
- 17628 – E-Commerce module – A user no longer gets prompted to add a second level modifier to an item where the second level modifiers have been removed from the item configuration. Also, switching between first level modifiers that have second level modifiers and those that don't will now correctly display the **Second Level Modifiers** dialog or not display it as appropriate.
- 17665 – E-Commerce module – Reverse Mods appear to once again be working correctly when recalled at a Classic salespoint.
- 17675 – E-Commerce module – A variety of credit card saving and name caching issues have been fixed in the E-Commerce pages.
- 17679 – E-Commerce module – An issue was corrected causing Long Item Descriptions to not work when used within MultiAddITGroups. Now when Long Item Descriptions are enabled `<add key="UseLongItemDescrip" value="1" />` and you have Item Tree Groups configured as MultiAddITGroups, e.g., `<add key="MultiAddITGroups" value="sale tickets,imax movies" />` in the web.config file, Long Item Descriptions will display correctly both inside and outside MultiAddITGroups.
- 17719 – E-Commerce module – The guest icon has been updated and the descriptive text **Add/Change Guest** has been added to the cart.ascx control.
- 18018 – E-Commerce module – The following values work once again when added to the **GuestDispRows** key (and the new **PurchaserDispRows** key) in the web.config file: memo_1, memo_2, memo_3, date_1, and datetime_1. This was fixed by adding the memo_1, memo_2, memo_3, date_1, and datetime_1 table rows back into table id="tblGuest" on the GuestSelected.aspx page.
- 18099 – E-Commerce module – An error has been fixed with shipping address when CheckoutSteps is enabled.
- 18129 – E-Commerce module – The problem with the CCTimeout email getting incorrectly sent from the E-Commerce pages when a credit card was declined has been fixed.
- 18281 – E-Commerce module – A variety of validation issues have been fixed for member log-ins and member expiration dates.
- 18455 – E-Commerce module – Item prices will now always display with a red strike-through in the E-Commerce pages when a discount is applied via a special.
- 18456 – E-Commerce module – Passes will now remain active through the entire day of their expiration, rather than expiring at the beginning of that day.
- 19073 – E-Commerce module – Each field in the DynamicControls.xml file must have `<Required_purch> . . . </Required_purch>` tags set to either 0 or 1 in order to avoid errors when editing the guest record of the purchaser in an E-Commerce sale.
- 19193 – E-Commerce module - Items that require validation now work correctly when they are part of MultiAddITGroups.
- 19534 E-Commerce - A bug has been fixed where the LeadTime (e.g., `<add key="LeadTime" value="2" />`) was incorrectly being applied when pricing non-dated items that followed a **Season Schedule** pricing scheme. The result was that the price displayed on the ItemShow.aspx page was incorrect for the current date.

- 20036 – E-Commerce - The E-Commerce pages once again pop the warning message of the need to add a guest to all items/modifiers that require this, if guests have not already been added and the user attempts to **Finalize** the sale or advance through the checkout pages.
- 20069 – E-Commerce - Prices once again display correctly in the E-Commerce pages.
- 20172 – E-Commerce - Added setting `AlwaysWriteShipAddr2ResNote` which will always write the shipping address to the notes field of the res header if res headers are enabled. If set to "0" or not present, the address only gets written to the res notes if the user unchecks the **Same as Billing** check box.
- 20583 – E-Commerce - Additional checks have been added to the `Checkout.aspx` and `Checkout4.aspx` pages for items missing guests that require a guest to be attached. Also, additional logging has been added to the **Event Viewer > Custom Views > Administrative Events** section of the Event Log to help in troubleshooting issues of this nature. To activate this logging set, the following in the `web.config` file: `<add key="VerbosityLevel" value="6" />`.
- 15712 – FileSync application – Issue with max keys always being regenerated, which caused long startups, was fixed.
- 16211 – FileSync application – FileSync installer correctly installs files for F&B installations.
- 18066 – FileSync application – Exclusive use and table packing in FileSync data has been optimized. This optimization is critical for keeping data integrity when using shared data. This fixes the issues with RentEZ application not being able to see data until restarted resulting in, “Bad DCI” error message.
- 18098 – FileSync application – Exclusive use and packing of data files are greatly improved in FileSync application. This should give better data integrity when using PrintEZ and when using with shared F&B data with FileSync application.
- 18283 – FileSync application – Changed FileSync application status detection based on the content of the `ready.txt` file in the `FileSync/Data` folder.
- 16660 – F&B – Fixed ghost tables - that is, tables that appear as still being served in an F&B environment but which in fact are no longer active.
- 15853 – Folio Charge module – When credit card reference numbers (sequence numbers) for a salespoint get over 9999, the last four digits of the number will be used to be unique.
- 16329 – Folio Charge module – PMS tips are processed correctly when immediately finalizing a sale. Added an `.INI` setting to resubmit the lookup messages when processing tips on PMS payments.

[Preferences]

`RedoLookupOnPMSTips=TRUE`

- 16608 – Folio Charge module – There should no longer be a, “Timer Expired” message when using room charges.
- 16732 – Folio Charge module – Accounts are charged correctly using PMS payments.
- 19220 – Folio Charge module - `PMSServer` has been changed to never send more than one digit for the selection number. Also, a new `.INI` setting has been added (in version 4.0.58 the setting goes into the [Preferences] section:

[Preferences]

`SelNumInExp=TRUE`

In 4.1.01 the setting goes into the [Server] section:

```
[ Server ]  
SelNumInExp=TRUE
```

which will pass a two digit selection number to the PMS system in the last two digits of the **Expiration Date** field.

- 13885 – Food Service module – Correct Sales Summary will be generated when splitting a table or transferring items in Food Service module when SalesSummary=TRUE.
- 15647 – Food Service module – The correct item order quantity will be sent to remote printers whether or not the sale has been placed on hold.
- 16298 – Food Service module – Utility.balance_due is no longer filled in with the tip amount when a tip is finalized.
- 16340 – Food Service module – “Ghost tables” will no longer be created.
- 16357 – Food Service module – The message, “Parameter is incorrect” no longer occurs and the operator can make an entry when trying to use the on screen keyboard in the **Dining Header** dialog with the cursor in the description field.
- 16444 – Food Service module – **Alltrans** table now writes data correctly so the **Details** function will print parent items and modifiers totals correctly.
- 16453 – Food Service module – Transferring a table from the **Recall** dialog now transfers the table selected.
- 17583 – Food Service/In-House Cards modules – The correct amount is applied to an In-House Cards invoice when finalizing directly with a tip.
- 17637 – Food Service module – **AllowTipsOnSave** no longer causes message when finalizing a sale that had been saved with a tip.
- 17691 – Food Service module – Receipts are populated with correct description after a table split.
- 18088 – Food Service module – Sales now process correctly on second finalization attempt after a credit card using quick tips is declined.
- 18365 – Food Service module – Items are now grouped together correctly through course number when using multiple courses and multiple remote printers.
- 18388 – Food Service – A problem was fixed in which a split table disappeared and you were not able to recall it. This affected only Moneris Charge Cards with 4.0.58 SP18 or later.
- 18434 – Food Service – An issue was fixed with queries to the local database sometime returning incorrect number of records resulting in split tables sometimes not being found.
- 18464 – Food Service module – Course numbers will be seen with their associated items on remote printer receipts. This will happen regardless of course number use prior in the sale.
- 18466 – Garment Exchange – When using **Exchange** through Ticket Inquiry or **Garment Exchange** the start_date and expires values are written correctly (in agreement with original values when the ticket was sold).
- 20176 – Gate Access - Fixed: The next_axpas and next_axtix max_keys values will now be calculated off of the activity table rather than the pass/access tables since the pass can be sold but not encoded until later. Also, added a 152 **Activity Type** for a swipe only encode.
- 20842 – Gate Access - Added: a new **Reset AxCoding** button available on the **Actions** dialog (also configurable to be a main action button) to cleanly shut down and reinitialize the Axess AxCoding interface.

Also added a setting to check the printer state and automatically shut down and reinitialize the printer if it is not in a ready state. To enable, add the following to the .INI settings:

```
[Preferences]
AxessAutoReinitialize=TRUE
```

Finally, modified the LoadAndRead method to exit upon failure.

- 15762 – Group Scheduling module – When a Group Scheduling Event is recalled and the time is modified by dragging the event to a different time slot, the information on the month view is now correctly updated.
- 15908 – Group Scheduling module– Users no longer get Max4Sale restriction violation notice when scheduling 2 items that have Max4Sale restrictions configured into the group schedule when there are no Max4Sale restriction violations.
- 15939 – Group Scheduling module –**Modifier** dialog was fixed for modifiers on modifiers to show proper number of pages. Also the loading time was reduced as well as the time to change pages and screens in the **Modifier** dialog.
- 16079 – Group Scheduling module – Group Scheduling reservations that have a time span before and after midnight are now correctly saved.
- 16709 – Group Scheduling module – A Group scheduling Month Listing view now allows right side, move ahead, arrow to display when display settings set to smaller 1024 x 768 setting.
- 17022 – Group Scheduling module – Although it is not the correct way of moving Group Scheduling resources attached to a reservation, the resources will now keep their appropriate time span when the time is adjusted through the **Date/Time** dialog on the line item.
- 17023 – Group Scheduling module – Switching between date view and resource view using the **toggle date view** right click function will now only be available when a specific resource is selected.
- 17639 – Group Scheduling module – Max4Sale items will now calculate correctly in the Group Schedule calendar.

Known Issue: Max4Sale capability with real time inventory will only work if **include saved sales** under **SysManager/Miscellaneous/Manager** tab is selected. If **Do Not Include Saved Sales is Selected**, Max4Sale amounts will not decrement until the sale is finalized.

- 17766 – Group Scheduling module – Fixed random shutdown of group schedule that occurred on apparently random salespoints.
- 18154 – Group Scheduling module – Group Scheduling items will now have the correct quantity on the confirmation letter and no duplicate lines. Local tables have exclusive use during packing to avoid data corruption.
- 18155 – Group Scheduling module – Group scheduling items are now prevented from being placed on hold. Sales with group schedule items must be saved instead.
- 18259 – Group Scheduling module – General clean-up for:
 - Location of mouse pointer when dragging time slot for reservation does not affect the date of the reservation itself.
 - Removed the ability to move resources unless they are recalled.
 - Both finalized and un-finalized reservations will show up in the calendar.
 - Better behavior for items that are not yet available for sale - they will still show in the calendar (for now) but will no longer be added to the sale.

- 18322 – Group Scheduling module – Dynamic Time Span Max4Sale limits work correctly when there are none left for sale. The correction also requires a change to the stored procedure `siriussp_gettspanqtyremaining_by_dci` from:

```
select min(qty_rem) as qty_rem from #temp
to
if ( 0 = (select COUNT(*) from #temp ))
select '-' as qty_rem
else
select min(qty_rem) as qty_rem from #temp
```

- 18328 – Group Scheduling module – An issue was fixed that caused incorrect data in the `ItemDesc` field when arrival time was chosen for a sale that did not include group scheduling items. Also, changes made to the reservation header fields when called from the group scheduling calendar will now remain intact.
- 19289 – Group Scheduling module - Filters for **User Defined Fields 1, 2 and 3** now work properly on the Group Scheduling Arrivals Report.
- 19643 – Group Scheduling module - Arithmetic overflow errors were sometimes displaying when data contained large reservation numbers. Corrections were made to handle large reservation numbers.
- 15825 – In-House Cards module – The swipe number is now masked in the **Pass Information** dialog if the number is a credit card, a Resort Charge, or an IHC item.
- 15949 – In-House Cards module – Exchanges, garment exchanges or exchanges from **Sales > Guest Lookup > Pass Inquiry**, involving IHC items no longer creates orphaned invoice records.
- 15989 – In-House Cards module – salespoint impersonation in E-Commerce module now correctly changes the salespoint name as passed to the EZ's. This causes charges to In-House Cards items to be recorded correctly under the impersonated salespoint.
- 16119 – In-House Cards module – Pre-load amounts will once again display correctly on the **Debitware** tab for In-House Cards items sold through E-Commerce module when the sale is recalled at a regular salespoint.
- 16135 – In-House Cards module – Unnecessary entries created during an exchange of an In-House Cards pass item with a load amount have been eliminated from the **Transact** table.
- 16372 – In-House Cards module – Checking IHC balances will now function correctly even if the swipe has an end sentinel (" ? ") encoded at the end of the encoded swipe.
- 16421 – In-House Cards module – A gift certificate bought by another gift certificate/In-House Cards item will now calculate totals correctly in reporting.
- 16606 – In-House Cards module – Sales no longer fails when trying to exchange an expired Debitware pass by going to **Guest Lookup > Pass Inquiry > Pass Information > Exchange** button. Instead, the operator will get a message that the pass is expired, and clicking **OK** to that message will return the operator to the **Guest Lookup** dialog.
- 16739 – In-House Cards module – A message now appears prompting a correction of the sale when there are multiple In-House Cards items linked to the same pass in the same sale. Payment will not be taken and the sale will not be finalized until the correction is made.
- 16874 – In-House Cards module – Swipe numbers will now be masked if they are associated with a payment type. They will still be visible in some areas (e.g., **Pass Modify** dialog) depending on the security role of operator. If the swipe number is not associated with a payment type, it will remain unmasked in all locations.

- 16961 – In-House Cards module– Sales will now ignore the “load modifier” that goes along with an In-House Cards item that has a pre-load amount configured when processing a sale that contains such an item. This is because the “load modifier” is a system generated modifier rather than a user selected modifier. This new behavior will now allow an In-House Cards item that is configured with minimum/maximum modifiers required to be completed without error.
- 17285 – In-House Cards module– The Detailed Debitware Statement Report will now total correctly if a void has been made to a sale prior to finalizing.
- 17421 – In-House Cards module - Transaction detail will now correctly show on Debitware reports for salespoints where `FinalizeatCloseout=TRUE`.
- 17483 – In-House Cards module – The balance due and charges are now correct in the detailed IHC Reports when finalizing a sale using IHC module.
- 17595 – In-House Cards module – Swipe numbers are visible in **Pass Swipe** dialog for operator viewing.
- 18643 – In-House Cards module – An issue was fixed with reloading Debitware card not working because the invoice information is not found in the local invoices table. Users are now able to save the invoice data into the local database if it wasn't found in the local database but found in the server. This allows faster searches for the same invoice for subsequent searches. An issue was fixed with error not being reported to the user if Sales is unable to find the invoice for the Debitware card that's being used to transfer balance.
- 15854 – Instructor Payroll module – The two date fields in the **SysManager > Preferences > Payroll Preferences** control that are used to set the Current Calculation Period now only show dates without times – e.g., 2/15/2010.
- 15869 – Instructor Payroll module – The Instructor Time Card Report in PayManager is once again reporting Start and End Times correctly.
- 20479 – Instructor Payroll - The Private Headcount Payroll Incentive now works correctly. It multiplies out the payment configured for the incentive, times, the number of additional guests.
- 16454 – Kiosk module – When a Kiosk sale is started from the **To Begin** dialog, Sales will refresh the display with the contemporaneous local item tree. Previously the display reflected the itemtree at the time the **To Begin** dialog became active instead of the most recent item tree.
- 16658 – Kiosk module – The `autofinalize` function now works in kiosk mode. When an item is auto sold through scanning a voucher/pass item with the **Finalize Auto-Sale in Sales32** checked in the **Auto Sales** tab of the template settings, the item is sold and the user is brought to the **Finalize** dialog. The user need only choose the **Finalize** button.
- 16738 – Kiosk module – Validation templates are now enforced in Kiosk mode.
- 18103 – Layouts – `Tmp_inv.tmp_tspan` and `printing.tmp_tspan`, otherwise known as the timespan variable, is now calculated correctly for printing in text and graphical layouts.
- 6420 – Memberships And Passes module – If a salespoint is not licensed to print passes, the operator now receives the message “This salespoint is not licensed to manage passes” when trying to print a pass.
- 16024 – Memberships/Passes module – Validating passes using cardno's (%B + 16 digits) is fixed. Previous to the fix the validation would always be invalid.
- 16090 – Memberships/Passes module – When a salespoint is not licensed for the Passes module the operator will no longer receive a message that the salespoint isn't licensed to manage passes.
- 16405 – Memberships/Passes module – In SysManager program in the **Guest Edit** dialog, the second guest salutation (Mr., Mrs., etc.) now supports free-form entry if **Allow free-form entry of guest salutations** and **Use second guest** are checked in the Guest Preferences form.
- 16410 – Memberships/Passes module – Refunds/negative quantity item validations now work correctly with the `CHANGEPASSVAL()` macro.

- 16417 – Memberships/Passes module – Passes with very large numbers validated using `swipe_no` field are no longer rounded by SalesEZ application when validating. If a swipe number does not exist SalesEZ application will now properly give a "There is no record" message when validating a `SWIPE_NO`. Also, the bug introduced by the above changes in which invalid scans were not written by checkpass has been fixed.
- 16570 – Memberships/Passes module – Change made to ensure that multiple quantity autosale items no longer write the sale quantity input during validation if `>1` in the admissions count in transact table.
- 16901 – Memberships/Passes module – `Tr_save.expires` and `transact.expires` are now calculated the same on passes that round their valid date to the end of the month. Previous to the fix `tr_save.expires` was being written a day earlier than the correct value in `transact.expires`.
- 17228 – Memberships/Passes module – If a validation template is configured to extend an expiration date by 365 days (or another multiple of 365), the expiration date will be extended (or reduced if a refund) by a whole year(s) rather than the specific number of days. This way, it is unaffected by any extra leap days that may occur in that time frame.

Note: This applies only to validations using a pass number (CheckPass, ValidatePass) and not a card number (CheckCard, ValidateCard), since cards can be associated with more than one pass record.

- 17288 – Memberships/Passes module – There is now the option of adding or viewing either **Item Notes** or **Guest Notes** from the **Guest Edit** dialog. This is seen after selecting the **Notes** button from the **Summary** tab of the **Guest Edit** dialog. There are now two radio buttons, **Item Notes** and **Guest Notes**, so the operator can toggle between them to add and/or view different notes associated with that guest.
- 18246 – Memberships And Passes module – If updating the swipe number for a guest pass that has the same number as an old pass, the new swipe will be properly linked to the new pass and will be used for new passes for this guest's validation.
- 19817 – Memberships/Passes module - If no photo exists for a guest, the previous guest's photo will no longer be printed on an Axxess pass.
- 19954 – Memberships/Passes module - Client is offline, goes to lookup a pass in a Guest record, and can't access the **Pass Inquiry** button.
 1. In Sales, select **Guest Lookup**. Sales is Offline.
 2. Find a guest with an existing pass, **Pass Inquiry** button is greyed out.
- 19958 – Memberships/Passes module - If Sales is not connected to SalesEZ it no longer checks for **Currency** fields so sales can start up. This is in relation to going offsite and using local files generated from SysManager.
- 16663 – PayManager – No longer getting the message "Database version is NEWER than expected" when starting PayManager.
- 20084 – PoolService - Fixed PoolService to respect the DropTime setting in the `pool_system.INI` file:

```
[SalesPoint]
DropTime=12
```

The setting is in hours and it's the number of hours of inactivity required before releasing an idle connection. It's not recommended to change the default.

Added new templates to Pool Service. Pool Service will now better manage “ghost” instances (connections with the same name from the same IP address). They will be monitored and released after the drop timeout if they remain inactive. They also will not appear in the connections shown in the monitor.

- 20794 – Pool Service - Fixed problem with removing ghost instances. This would cause pool service to crash (generally at sites that have ghost instances and during idle hours). Also made some changes so that the following .INI setting would work properly:

```
[Preferences]
ShowGhostConnections=TRUE
```

- 15860 – Print At Home Tickets module – An explicit .PDF extension is now added to Print At Home Tickets module downloads to accommodate certain browser behaviors of trying to save the file without an extension.
- 16256 – Print At Home Tickets module – The sale number (sale_no) once again gets correctly created and written into the data when Sales Host encounters a printing error when processing Print at Home tickets module. This allows for the correct reprocessing of these printing errors.
- 16849 – PrintEZ application – Reservations module – Currency information will no longer be truncated at the decimal point on confirmation letter layouts.
- 16853 – PrintEZ application – Fixed "SQL Statement too long error" errors when printing graphic tickets or passes that have more than 157 sale_hdr records associated with that invoice.
- 18826 – PrintEZ application – Use of the PEZ function "MRU" (Modifier Roll-up) on layouts where the detail forces the summary onto a second page, will no longer crash with “Variable not found” errors for the variables Results and Z.
- 19850 – PrintEZ - No longer getting a, “file ‘vfp2sql.prg’ does not exist” error when printing using the latest 4.1.01 Sales/PrintEZ.
- 20050 – PrintEZ - Fixed **Unhandled Structure Exception** errors when using the PrintEZ function "FM" .
- 6142 – Private Instruction module – Users no longer have to backspace typed letters to clear the search for a new instructor. One can now search the instructor list by instructor last name by typing first letter of the name and the software jumps to that letter in the list. No need to backspace and clear the previous letters searched for additional list searches.
- 15756 – Private Instruction module – Hidden pods and **Pod Preferences** will no longer display in **SysManager > Item Edit > Action tab > Begin Pod Booking > Action Specifics > Auto-Set Prefs** tab, in the Prefer dropdown and the Preference grid respectively.
- 16117 – Private Instruction module – When going into the Privates Schedule, right-clicking on a booking, and selecting **Edit THIS Booking**, on the **Preferences** tab, the Preferred Instructor and Lesson Location lists no longer display hidden instructors or locations.
- 16293 – Private Instruction module – In SysManager, the list of instructors to send E-Messages to no longer includes TBD instructors.
- 16429 – Private Instruction module – **Instructor Toolbar** button now disabled when the **Edit Existing Booking** dialog box is open.
- 16430 – Private Instruction module – Lesson locations no longer disappear when **Show Hidden** box is checked and buttons no longer disabled when **Show Hidden** box is checked and unchecked.
- 13808 – Rental module - Shoe size and width in rental info associated with a guest, is no longer lost on additional items in a sale.

- 15913 – Rentals module – Entering `RI+item` barcode in the **Scan Item** dialog no longer causes a RentEZ empty string message. Instead the item is found.
- 15942 – Rentals module – Sales will now start rental contracts in **DeferRentals** mode without an attached guest. Sales Host will now send the date starts to RentEZ application from the Self Entry file in addition to date due. These are translated from the `date_time` and `ret_date` fields in the transact record, respectively. Wait cursors and messages optimized in Sales Host to normalize its behavior when not processing anything.
- 15943 – Rentals module – After all possible rental items have been attached to a form/rental contract the **Scan Item** box becomes inactive (invisible). Below the **Scan Item** Box there is a new **Allowed Equipment Remaining** line added to the showform page to indicate what equipment types and levels can still be added to the form. That list disappears once all types of allowable equipment have been rented. RentEZ application now handles anonymous rental contracts as required when the contract is in the limbo state between the sale and when a guest completes self-entry. There is a "for future expansion" the `.INI` setting called `AllowAnonymousRentals` (which defaults to NO). Right now, RentEZ's performance with a YES setting is unsupported. Scanning non-existent contracts from the ready screen should no longer result in a "white screen." The error page displayed is now using the `.css` file so it looks like the other pages. Incorrect items can no longer be attached to a contract that was processed with Web Sales Host. Several fixes accommodate the new VFP9 SQL engine behavior.
- 16043 – Rentals module – The level for skier type now updates immediately and correctly on the rental form.
- 16131 – Rentals module – Putting a rental item into and out of maintenance will no longer delete the item from the last form it was rented to. Instead, it will mark the item as returned (if it wasn't already).
- 16216 – Rentals module – **This isn't me** button functionality now works. When pressed, it will create a new guest with the same name and put the user in the guest address page to enter required information to create the new guest. Also, the button will be disabled for new guests (which will be the case after pressing it).
- 16231 – Rentals module – `Guest_no` is now properly written into the `r_rentals` table when using `DeferRentals=TRUE` with Self Entry module.
- 16419 – Rentals module – Sales no longer generates duplicate `trs_info` records when a split finalization on two different salespoints takes place. The duplicates were causing the Rentals Arrival Report to display duplicates too.
- 16518 – Rentals module – `Tr_save.mastertran` added to `SELECT` statement in Rental Arrivals Report. This helps reporting on rentals that transpired while there was a bug in Sales that lead to inaccuracies in the results of the report.
- 16577 – Rentals module – The Print Rental Form now has fully visible and functional buttons.
- 17990 – Rentals TechStation module – Scans of prefix-less item barcodes and serial numbers (no "RI" prefix) from the ready page search prompt takes the user to the item detail page of the inventory item. This is provided, of course, that you have "RI" set as the assumed prefix.
- 18080 – Rentals module – DIN calculations are now consistently performed on the most recently added equipment. This accommodates situations where an initial DIN is calculated based on attaching a "preset" boot and ski to the rental form (for instance, when setting up equipment the night prior to a group's arrival), and then once the guest arrives a new DIN needs to be calculated when the actual ski and boot are attached.
- 18130 – Rentals module – RentPrint application correctly saves Tag, Printer and Layout values from the **Set Printers** dialog. RentPrint application creates `printers.dbf` at the path stipulated in the `Rentprint_system.INI [DATA]` section if stipulated. The default path is `DataPath=C:\ProgramData\Siriusware\Rentprint\Data\`.

- 18982 – Rentals module – Installer no longer adds the following setting to RentPrint . INI:

```
[Preferences]
CheckInterval_ms=500
```

- 19356 – RentEZ - A new .INI setting was created RentEZ_System . INI

```
[System]
FormLogDateWindowInDays=.
```

Default is 365. If dates altered in the **Form** log are more than FormLogDateWindowInDays from the date of contract start, and then TechStation displays an error, “Log dates must be within XXX days of the "Started" date. Please retry. .” Formerly, bogus dates in these fields could cause FileSync application to stop working if the dates evaluated to very old dates 1900 or before.

- 20289 – RentEZ - RentEZ application no longer incorrectly sends results to TechStation that include the signature capture ActiveX control on stations configured as **Sig Pad Hardware Not Present**. This only could happen when using the **Search** box in TechStation and you have a mixture of Tech Stations that are configured both with and without sig pad hardware *AND* the first record in the Stations table happened to be a station that was configured as **Sig Pad Hardware Present**.
- Error messages are now capable of using internal variables when displayed. This was to facilitate the error message for the new . INI setting: FormLogDateWindowInDays
- 15874 – ReportManager – The Guest Listing v2 Report no longer creates duplicates when the same guest has bought two of the same passes either in the same line item or separately.
- 16142 – ReportManager – Period Sales Report (Depts/Cats and Depts/Cats/Items) options: Restored layouts to version prior to fix made in 0261. Determined this reporting engine problem was corrected by Microsoft in a hotfix which is now incorporated into the latest CommonFiles and CommonUpdate_4101.
- 16142 – ReportManager – Period Sales Report (Depts/Cats and Depts/Cats/Items) options: No longer repeats the display of the department band at the top of each new page. The reporting engine could incorrectly display the next department if the new page is displaying just the summary totals for the current department.
- 16142 – ReportManager – Account Statement Report: Restored layouts to version prior to fix made in 0261. Determined this reporting engine problem was corrected by Microsoft in a hotfix which is now incorporated into the latest CommonFiles and CommonUpdate_4101.
- 16142 – ReportManager – Account Statement Report: No longer repeats the display of the invoice number band at the top of each new page. The reporting engine could incorrectly display the next invoice number if the new page is displaying just the summary totals for the current invoice.
- 16422 – ReportManager – Cash Drawer Specials Details Report now correctly updates the discounted amount of specials under the **Value** column.
- 16523 – ReportManager – Reservation number, from transact, and all the non-check box fields from the invoice table have been added to the Account Statement Report select statement. This will allow these fields to be printed on the custom Account Statement Report. When there is a problem with a custom layout, the following new message comes up in a **Report Layout Problem** dialog. "There is a problem with Report

layoutSiriusFS\Layouts\xaccount_stmts2.frx The error is Alias 'TRANSACT' is not found. Please correct this problem first in order to be able to produce the report." Previous to this, the error "Alias 'TRANSACT' ..." came up alone and did not refer to a layout problem. The layout can be edited through **SysManager > Activities > Edit Layouts**.

- 16575 – ReportManager – Unclosed Drawer Report for multiple days no longer incorrectly appends previous day totals to following days and correctly calculates totals for each individual day.
- 16579 – ReportManager – Client will no longer receive error messages when attempting to use **Add 2 Q** function.
- 16687 – ReportManager – There are now functional layout options to open or edit in ReportManager.
- 17151 – ReportManager – Users no longer get "divide by zero error encountered" error message when running the Guest Listing v2 Report in ReportManager.
- 17232 – ReportManager – Previous error is removed when generating the Guest Listing v2 Report when only selecting a date range. The report now generates as expected without error.
- 17251 – ReportManager – The, "Guest Record Not Found!" message has been removed from the detailed Cash Drawer Report when the line item does not have a guest attached. If a guest is attached, their name is still listed on the report.
- 17514 – ReportManager – Incorrect reporting of Average Cost for items with negative or zero quantity in Qty On Hand Report have been fixed.
- 17930 – ReportManager – Daily Summary Report: The Payment Type Breakdown Sub-Reports now include transaction activity related to Debitware Card activated invoices.
- 18053 – ReportManager/Retail modules – The cost of goods (COG) column on the inventory Profit and Loss Report will no longer truncate or round the amount seen if the data set begins with a zero dollar amount.
- 18127 – ReportManager – The problem of "error converting data type varchar to numeric" that may occur under some circumstances has been corrected.
- 18340 – ReportManager – Saved Sales Audit Report now shows the correct date range.
- 19742 – ReportManager - Changed Period Sales Report to match Daily Summary Report
- 19993 – ReportManager - Multiple fixes to PDF creation include:
 - Changes to prevent an, "Unlicensed," message at the bottom of PDF files
 - Fix messages that indicate the PDF was not created when in fact it was.
- 20403 – ReportManager - When a report was run with **Tax Amounts Split**, the tax amounts were incorrectly reported in both the **Profit Center** section and the **Tax** section, overstating the totals. The taxes are now rolled into the **Profit Center** section of the report.
- 20547 – ReportManager - The Rentals Arrivals Report no longer crashes if the DCI or **Accounts Filter** check boxes are checked but contain no entries.
- 18520 – Reporting Services – The Passholder Discount Spending Report for Reporting Services works even if the info_num field has extraneous characters. Changes were made to allow the report to keep running if the database is being updated during report. Data selection criteria will now appear correctly on the report header.
- 19085 – Reporting Services – Made changes to Passholder Discount Spending Report to allow report to keep running if database is being updated during report. Data selection criteria will now appear correctly on the report header.
- 6224 – Reservations module – The **Reservation Header Guest Edit** dialog will now display the default address even if it is empty.

- 13139 – Reservations module – One can no longer resize the **Reservation Header** dialog window to a size that is too small to still see the dropdown lists.
- 13755 – Reservations module – One can no longer create a Reservation Header from a salespoint that is not licensed for Reservations module by going through the **Guest Lookup** dialog, going to the **Summary** tab for an existing guest and clicking on either the **Guest Res** or **Blank Res** button. Instead, the user gets an error message stating that the salespoint is not licensed for Reservation Headers, and the **Guest Lookup** dialog is closed.
- 15926 – Reservations module – Arrival Date now displays in **Sales > Guest Lookup > Summary** tab in the Reservations [Arrival Date – Conf/Res Number – Status] section.
- 15945 – Reservations module – An error no longer occurs when trying to save a reservation with more than one item and collect zipcode > 0
- 16061 – Reservations module – When a sale was saved with a Reservation Header, the Guest History display for that sale was misleading at times concerning whether it was a saved sale. This has been corrected so that the Guest History now correctly reflects whether a sale is saved or not.
- 16118 – Reservations module – An issue was resolved when using **recall sales** function and filling in search criteria, name, description, etc., then selecting arrival date with calendar entered information would be cleared out. This no longer occurs and any information typed in search fields stays in place when using calendar to select arrival date.
- 16220 – Reservations module – In order to prevent the creation of empty but unfinalized reservations, it is no longer possible to save a reservation when all unfinalized items have quantity 0 or are voided. Instead the reservation must be finalized.
- 16762 – Reservations module – Remarks in Reservation Headers are saved if the header is edited. A duplicate Reservation Header will no longer be displayed when the **Change Log** button is selected in the reservation header and closed with the "X" in the upper right hand corner of the dialog.
- 16840 – Reservations module – Reservation information will remain intact when finalizing a reservation from a non-reservation header salespoint.
- 17040 – Reservations module – Guests cannot be deleted if they have associated reservations.
- 17287 – Reservations module – Event type information can now be completely removed from reservations that were previously saved with an event type.
- 17292 – Reservations module – The receipt generated from the **Reprint** option now shows the correct information from that sale.
- 17855 – Reservations module – When an attempt to save a sale is made and the credit card payment is declined a sale_hdr record is no longer created for the failed credit card transaction. This will prevent reservations from erroneously being treated as finalized.
- 17951 – Reservations module – The **Quick Set** button for attaching guests now functions again properly.
- 18329 – Reservations module – Credit Card information is now saved when creating a new guest in the **Reservation Header** dialog.
- 18345 – Reservations module – Sales saved with declined credit cards will no longer be mistakenly marked as finalized. The amount due will be accurate and other payment options may be selected successfully.
- 18498 – Reservations module – When a paid reservation is marked as **No Show**, revenue will be distributed rather than staying as a credit on the customer invoice.
- 18656 – Reservations module – The **Recall > Review** feature no longer results in accidental merging of reservations when recalling and editing several reservations during one Review session.
- 18975 – Reservations module - Reservations/ResPrint – CsrUtility.amt_paid now calculates properly using ResPrint utility. The amt_paid was formerly including values in sh_save. It should only

use `sale_hdr`. `CsrTrans` now includes `ret_date` and `roottrans`. These columns were missing, so layouts that worked with PrintEZ application that used these columns would fail when printing in `res_print`.

- 19777 – Reservations module - Tabbing through guest name will no longer blank out the values when adding a new guest record from the Reservation Header.
- 19787 – Reservations module - Items with `FORCEFINALIZE` were clearing the screen when saving a reservation, and were not refunding properly. These items will now be handled correctly.
- 19790 – Reservations module - Fixed a problem where guest photos didn't clear screen when toggling between guests with **Quick Set**.
- 19909 – Reservations module - **Quick Set** toggle button now works when two separate guests have the same name.
- 19977 – Reservations module – If a sale is open on the screen and a user chose to recall the reservation, it allowed the recall and merged it with the current sale. A change was made to prevent the user from recalling a sale when a sale is currently open on the screen.
- 16445 – ResPrint utility – The `csrUtility.amt_paid` field now only counts payments in the `sale_hdr` table. Formerly it also included payments from the `sh_save` table. The ResPrint dialog can now be resized. Version information now appears in **Setup** tab.
- 16145 – Retail module – There now exists the ability to print labels directly from PO in SysManager without error. Also, a potential slowdown was fixed in purchase orders for those who possess a large number of items.
- 16521 – Retail module – In SysManager, error messages encountered when double clicking on **Line Items** tab and selecting an item to add to the PO no longer occur. Creating a new item on the fly from the PO form now works. When creating a Matrix item on the fly the operator must edit the matrix attributes by editing the item or go into Matrix View and enter order quantities there in order to add the ordered items to the PO. Otherwise the fields in the entry form are “grayed out”. A message "Please edit Matrix Attributes in order to add this line item to PO" displays if neither of the options has been taken. When creating the new matrix item, if the operator goes into maintenance mode in the item edit **Inventory** tab and saves, the item can then be added to the PO. This is due to the fact that the matrix item must be written to `i_items` in order to complete the rest of the ordering process.
- 16578 – Retail module – Matrix items can now be successfully used as modifiers.
- 16878 – Retail module - Fixed issue with TallyManPPC not recognizing accents on items.
- 17039 – Retail module – In SysManager, the matrix description in the **Batch Detail** tab, "Ext Descrip" column, now displays prior to saving the TallyMan batch.
- 17258 – Retail module – Items are now added to the sale when scanned regardless of location in the item menu during the act of scanning.
- 17286 – Retail module - TallyManPPC no longer shuts down when deleting an item from a Tallyman batch.
- 17293 – Retail module – Sales should perform faster when adding items to the Sales invoice that are configured to use Real Time Inventory.
- 17432 – Retail module – Problems in TallyMan forms have been rectified, and resizing issues of the Item Edit form (Inventory Matrix) have been fixed.
- 17786 – Retail module – SysManager no longer crashes if an operator attempts to delete an attribute from a matrix template. Instead if the template is assigned to a retail item one receives message "There are values defined for the attribute that have associated inventory items. Delete aborted." If the template is not assigned to an item, the operator is asked if all values associated with the attribute should be deleted.

Likewise if one attempts to delete an attribute value from a matrix template attached to a retail item one receives the message "This value is associated with an inventory item. It cannot be deleted".

- 17952 – Retail module – Matrix items now correctly display when they are modifiers
- 18248 – Retail module – Purchase orders will be duplicated without errors.
- 18257 – Retail module – Taxes and fees now show up correctly on the Item Price Listing Report in ReportManager.
- 18437 – Retail module – The description for matrix items are now present again in the Inventory Receiver Report.
- 18690 – Retail module – Changes were made to improve performance on the Velocity Report.
- 18692 – Retail module – Sales Host will no longer continue processing a sale when adding an item fails. Instead it will display an error saying it is unable to locate the DCI.
- 19648 – Retail module - Fix bug with tallyman not uploading items that were scanned as offline on tallyman. Modified how the offline scanning works. If a hint is not entered, the scanned entry is still kept, but **No Hint** will be put into the **Hint** field. Currently TallyMan will ignore the scan if no hint is entered. Fixed issue with TallyMan that crashed when trying to create a new batch in offline mode. TallyMan will not display an error message to indicate that creating a new batch is not allowed in offline mode.
- 19941 – Retail module - Inventory Lookup form for matrix items was not showing quantities correctly for items with zero quantity on-hand. The form will now properly refresh on-hand quantities to display them correctly.
- 6523 – Sales – The Printers table in the Sales local data is now updated correctly after changes are made to the Printers table on the server.
- 7865 – Sales – When applying a custom special either globally or for an individual item in Sales, the **Please enter a number** dialog no longer appears if either the **Percent Discount** or **Flat Rate Discount** field is blank.
- 12246 – Sales – Garment exchange was fixed to show original item purchase price when used, instead of zero price. Therefore, the purchase price can be printed on the Garment Exchange ticket.
- 12995 – Sales – An issue was fixed that appeared when toggling between the **Invoice Setup** and **Invoice Info** tabs. Field entry data was being lost. Fields and description entered now sticks when toggling between the two tabs.
- 13012 – Sales – A couple of issues dealing with modifiers on modifiers have been fixed in Sales. First both the right and left panels of the **Modify Item** dialog correctly update and modifiers are correctly positioned under the correct level when selecting, removing, and adding modifiers or modifiers on modifiers. Second, when removing a modifier in the **Modify Item** dialog, the user is now returned to the parent item of the removed modifier rather than to the top level item.
- 13274 – Sales – The `cc_trans` table now saves any offline records if the table structure is modified. Offline status of 5, 6 and 7 are no longer deleted when `cc_trans` is pruned based on the setting in **SysManager > Preferences > Miscellaneous > Sales** tab.
- 13781 – Sales – Ticket inquiry lookup was fixed. When looking up a pass or ticket, user's input is now examined. A valid ticket or pass number is in the form ([a-z] [A-Z]) ? ([0-9]) * If there is more than one character present, an error message is given. Additionally, if there is a beginning character, it is stripped off before doing the database query.
- 13785 – Sales – All required fields in Guest Lookup are now marked with an asterisk and red text. Previously, required fields on the **Sales > Guest Lookup > Membership** tab did not show asterisks (other tabs use asterisks to show required fields).

- 13879 – Sales – The popup message when an operator, without security to void saved items, tried to void a saved item, has been corrected to more clear statement of, "Security Level Invalid for reducing the quantity of an item that has been ordered. Override."
- 13884 – Sales – Default pricing is populated on a Dynamically Priced item if no Dynamic Pricing rule is assigned.
- 13891 – Sales – Sales no longer fails at finalization if a guest with no zip code in his guest record is added to an item in the sale and Sales is collecting zip codes.
- 14659 – Sales – **Modifier** dialogs now respond and close accordingly after modifiers have been fulfilled.
- 15409 – Sales – Payment to an account can be made in Sales using a credit card stored on a guest record.
- 15506 – Sales – An issue was fixed with specials not being correctly applied to all line items when **Coupon** button was used in a sale.
- 15640 – Sales – Dynamic Time Span Max4Sale capability now works correctly when items are configured with a **Time Span in Minutes** and the **Calculate Specific End Time Dynamically** check box is checked.
- 15647 – Sales – `Transact.adm_end` and `transact.end_date` now populate correctly with multiple admission items with a time span of 1 day. This will correct discrepancies in reporting due to the incorrect dates written to those two fields.
- 15712 – Sales – When the 2nd guest is enabled in Sales the second guest's name is populated in the Last Name 2 and First Name 2 columns in the **Guest Lookup** dialog.
- 15846 – Sales – Increased buffer length for `GetString` in ticket layouts to prevent crashing.
- 15872 – Sales – Sales no longer fails if **Hot Key Select** is enabled.
- 15904 – Sales - Sales now creates a `sp_info` table in the FileSync data directory to keep information on salespoint connected to FileSync data when in shared data configuration for Food & Beverage. A new Salespoint section in the FileSync service monitor screen is now present and lists "Salespoint", salespoint nickname, "Descrip", salespoint description and "Connect Time", duration of connection to FileSync data.
- 15911 – Sales – Sales no longer gives false error messages about the pass number or swipe number being in use when saving and finalizing Sales/Reservations containing various combinations of passes and In-House Cards items.
- 16001 – Sales – Stopped intermittent problem upon sale recall due to an uninitialized variable.
- 16017 – Sales – The `add_time_ticket` function will again correctly print the hour, minutes, and AM/PM.
- 16018 – Sales – Specials price adjustment (rounding) now follow the following paradigm: Positive numbers adjust price up, negative adjust down.

Example:

1.00 adjusts up to the nearest dollar (5.01, 5.50, 5.99 all become 6.00). -.05 adjusts down to the nearest nickel (5.01 becomes 5.00, 4.99 becomes 4.95). Values between +-.51 and +-.99 set the cents (.95 sets 1.25 to 1.95, 2.99 to 3.95). Values less than +-.50 that are not divisible evenly into 1.00 will likely behave in an unexpected manner. Stick with +.50, .10, .25, .50 and .51 to .99.

Note: Price adjustments occur after taxes and fees.

- 16027 – Sales – When looking up a pass in Ticket Inquiry by using "Additional#", `Addit_no`, no longer results in the error "Pass number must be numeric". The pass is now found.

- 16030 – Sales – Cash counts including coin now print on the Closeout Report printout printed after closing out.
- 16054– Sales – Macro processing is fixed with autosale passes to not do any finalize macros until after the validation. Previous to this fix one could not use the `FINALIZE` macro to a specific payment type when auto selling.
- 16081 – Sales – Payment corrections on saved sales while in Correct Closeout mode will now correctly record the closeout number in the payment adjustment sale header.
- 16082 – Sales – Sales no longer gives an error if you use **F12** or **F11** and then cancel instead of entering something.
- 16083 – Sales – Sales collects zip codes correctly according to the number specified in the `.INI` setting `ZipCodeCollect=` when `CollectZipAtStart=TRUE` is also used.
- 16084 – Sales – A bug was fixed with item tree disappearing due to date time being set to 1899 when putting an item on hold and recalling it from hold. This only occurred when `SetDateOnRecall=TRUE`.
- 16092 – Sales – Sales will now correctly release the COM socket thread allowing Sales to successfully and completely shut down. Previous to this version `Sales32c.exe` would remain running after Sales was shut down due to the inability of the `.exe` to exit its com connection, leading to messages that Sales was already running etc.
- 16094 – Sales – Validation using a configured F-key from the card's track 2 now works correctly.
- 16096 – Sales – Sales will no longer crash if ticket layouts have text that is larger than the allotted character buffer sizes.
- 16130 – Sales – The potential of **Item Availability** to crash the application due to an out-of-bounds index was removed.
- 16133 – Sales – When changing the selection of a Max4Sale modifier, the Max4Sale quantity of the new modifier will now be correctly reflected in relation to the line item quantity.
- 16136 – Sales – Voiding or setting the quantity to zero on a line item with a "Set Final Price" special applied will no longer crash Sales.
- 16147 – Sales – Exceeding the available limit of a Points4Sale restricted item in Sales and selecting **No** to the **Server Restrictions Override** dialog once again works correctly in Sales.
- 16169 – Sales – Pressing the **Backspace** key at the beginning of a masked edit control in Guest Lookup (e.g., phone number, date) will no longer close the dialog.
- 16177 – Sales – The `LimitLocalItems` `.INI` setting has been changed. Previous to this change, `LimitLocalItems` affected the `dci_mods`, `items`, `i_items` and `spec_link` tables. With this update the `dci_mods`, `items`, `i_items` and `spec_link` tables all have their own `.INI` setting, `LimitLocalDCIMods`, `LimitLocalItems`, `LimitLocalIItems` and `LimitLocalSpecLink`, respectively. If `LimitLocalItems=False` all four of the tables will be populated with all the data from the server as no filtering takes place on any of the tables. If `LimitLocalItems=True` data population of items table will be filtered based on items found in the itemtree table. If `LimitLocalItems=True` and the settings for `LimitLocalDCIMods`, `LimitLocalIItems` and `LimitLocalSpecLink` are also "True", the three other tables will also filter based on the items in the itemtree table. If `LimitLocalDCIMods`, `LimitLocalIItems` and/or `LimitLocalSpecLink` are "False", that table will not filter and contain all data from the server.
- 16184 – Sales – If the `FORCEFINALIZE` macro is attached to an autosale item, it will not attempt to finalize the sale prior to attaching the account and invoice, causing the finalization of the sale without being

put on the invoice. Additionally, if the invoice is not present in the local data when a sale is recalled, the record will not be forwarded back to the server after it has just been retrieved from the server.

- 16185 – Sales – PreMods will again correctly save with the item. Also, if there are multiple pages of modifiers, the >> button to move to the next page will be enabled.
- 16186 – Sales – Profit center split amounts are now populated correctly using fill method regardless of tax structure used.
- 16252 – Sales module – When parent and modifier items require a guest and the min and max quantity are set to 1, the **Auto-Other-Pop** dialog will work correctly. The parent item and modifier will require one guest entry for both items instead of a guest entry per item.
- 16265 – Sales – Refunding a Max4Sale item that is at or near capacity as part of a reservation no longer generates a "Violates server restrictions... Override?" error.
- 16267 – Sales – Time is calculated and printed correctly using tmp_edate when product is set to either minutes or days.
- 16273 – Sales – Functionality restored with layouts that have multiple user defined functions.
- 16287 – Sales – Itemtree tables no longer fully rebuild when an itemtree is modified, and instead add the new records to the existing itemtree table. In addition, if LimitLocalSpecLink, LimitLocalDCIMods, or LimitLocalIIItems are set to "TRUE", records will be updated only if they have just been added to the Items table rather than refreshing the entire table and again only add the records to the table instead of rebuilding the whole table.
- 16355 – Sales – Removed the potential for the Sales to fail after a timeout in a call to middleware.
- 16356 – Sales – Sales now bases whether to call CheckCard or Checkpass when validating on the prefix.whichkey associated with the prefix. If there is a CardPrefixes= .INI setting the prefix table is ignored for those prefixes defined in the .INI setting.
- 16401 – Sales – The CDOW ticket printing function once again returns the day of the week rather than an empty string (blank). The Add_Time ticket printing function will correctly parse out the last parameter (Saturday Minimum) instead of parsing from the **datetime** set in Sales.
- 16408 – Sales – Updating zip codes in guest info, accounts and/or invoices will now correctly re-populate the city and state.
- 16409 – Sales – Autosale quantity field is updated correctly after a saved item is finalized.
- 16502 – Sales – When DeferSalesDataUpdates is TRUE, the Sales data tables will not be packed while processing the deletes table updates. (This causes a significant time lag between sales when deletes are processed.)
- 16505 – Sales – An issue with Sales sending double, instead of single, quotes in **tcCustomExpr** tag during saved sales was fixed.
- 16614 – Sales – Use of security roles for operators was not working correctly for global specials. Correction was made to now require correct security level of operator in order to apply specials with security roles defined.
- 16645 – Sales – No duplicate transaction in alltrans after a saved sale is recalled and finalized when SalesSummary=TRUE.
- 16791 – Sales – The **Item Availability** button now functions correctly when an item has a Max4Sale value of 0, displaying the item with an availability of 0. Previous to the fix, the item didn't show in the dialog with an availability of 0.
- 16792 – Sales – When a validation item is saved, recalled and finalized the validation will only occur once upon being saved. Previous to the fix, the item would be validated an additional time at finalization. Additionally, if a validation item is saved, recalled and voided the validation is "undone" (the validation unit

is added back to the pass item). Finally, if a validation item is placed on a **Hold** button, validation does not take place.

- 16935 – Sales – Issue fixed in account tag index selection when modifying account record information at the salespoint.
- 16971 – Sales – Selecting a reservation from **Guest Look-Up Summary** tab will now recall the correct reservation.
- 16999 – Sales – The **Item Availability** dialog in Sales will now correctly respect limits set on the dates that are allowed for sale for an item. Dates that are not allowed by day of week, start and end dates, and blackout dates as configured for the item will be disabled in the dialog. In addition, the **Item Availability** dialog will now show all items available during any time period so that if an item is not available today, but is potentially available in the future, it will show in the dialog.
- 17026 – Sales – Addit_no values collected during an exchange are now stored in the database. Guest information is now also saved correctly during an exchange of an addit_no item. In addition if a guest is associated with the addit_no item being exchanged the guest fills in automatically for the replacement item in **Guest Lookup** dialog.
- 17027 – Sales – <IGNOREONEXCHANGE> suppresses macros on access items when exchanged. If a guest is attached to the exchanged ticket the guest is attached to new ticket.
- 17069 – Sales – Printing will not be disrupted if "AnalyzeFRX=YES" is a setting used.
- 17079 – Sales – Amounts put on an account invoice in the range amount >= 214k and <= 400k now write correctly to the data.
- 17154 – Sales – In-memory record access speed increased, especially at startup (and especially with the file defaults) in order to correct Sales startup inefficiency due to repeated searching in the unsorted list of fields.
- 17155 – Sales – Single quotes can again be used in SPECIAL Sales Action Macros.
- 17201 – Sales – Guest Info set on a line item will no longer be overwritten by a Guest Lookup after line the line item Guest is set.
- 17202 – Sales – A bug was fixed when performing a garment exchange from the **Pass Modification** dialog. The "Error Setting Guest for Exchange" message is no longer received.
- 17239 – Sales – Code added to check for a null passtable name when validating a pass. If it is null, the pass cannot be validated. This should prevent the error "Incorrect syntax near the keyword 'where'. SQL Statement: select * from where pass_no" from being written to SalesEZ_LongCallsAndErrors_log, log file.
- 17252 – Sales – Sales will no longer have errors if a guest is attached without a zip code.
- 17270 – Sales – \$0.00 items now write the correct profit center instead of *NONE*.
- 17279 – Sales – An issue has been fixed in Sales where a Points4Sale rule assigned to an item was subtracting one point when it should have been subtracting zero points.
- 17290 – Sales – Handling of errors in communication during updating has been optimized.
- 17314 – Sales – COM ports will now be successfully released regardless of whether they are virtual COM ports (USB) or physical COM ports. This will allow USB pole displays to display.
- 17332 – Sales – When an the ACCOUNT macro is used on an item, the user does not choose an invoice and hits **cancel**, a dialog box appears stating **Item Requires An Account and Invoice, Correct or Ignore**. Choosing **Correct** brings the operator back to the **Invoice Selection** dialog for the account in the macro. If **Ignore** is chosen the item is not put on account.
- 17359 – Sales – An issue was fixed with memory leak when disabling SalesEZ connection. Resource leak was due to graphical buttons that have bitmaps when the mouse is hovering over the button. The fix was to

release bitmap resources that are allocated. The fix was put in for all bitmaps (just in case another issue exposes the other bitmaps).

- 17393 – Sales – During a refund, there are no longer rounding errors using specials that utilize the rounding function.
- 17495 – Sales – Fixed, "Variable GUEST_NO is not found" error which may occur under some access record validation circumstances, particularly when the validation is invalid.
- 17512 – Sales – The Sales application will not allow a save or finalization of a sale, in which there have been previous payments made, but the sale has been detached from an invoice. The most recently attached invoice will be attached after sale is cleared and recalled again.
- 17521 – Sales – Sales transaction records created via the `RecognizeRevenue` function now use the passed in datetime stamp from the scan rather than the current date/time.
- 17812 – Sales – Zero dollar credit limit accounts will now show the balance due for the sale in "Amount Due" rather than zero if an amount is due.
- 17869 – Sales - Notes for the three methods, using the line item **Notes** button:
A note for a guest through a line item (**Guest Lookup** > **Summary** tab > **Notes**) or a Res Note in the ResHeader display immediately after recall on a non-ResHeader Salespoint when recalled with `AutoShowNotes=TRUE`.
- 17875 – Sales – Fixed slowdown issue with modifiers that inherit guest information from the parent item. A check is now made so that guests are not reloaded from server data unless they are not already in the sale.
- 17989 – Sales – Using the **Quick Set** button to attach guests to line items now has improved functionality after a previously used guest is removed from line items. No impact other than cleaner behavior when using and deleting guests on line items.
- 18092 – Sales – On items that have a modifier, information added to the guest from the main item is now saved to the guest's record upon switching to the modifier.
- 18199 – Sales – Multiple guests created in succession at an empty Sales screen and with no activity in between creating the guests will no longer be linked to the first guest created.
- 18238 – Sales – Sales no longer goes into an infinite loop when voiding all the items in a saved sale to a Debitware card.
- 18247 – Sales – Any currency fields in the local data are converted to numeric (15,4) fields when Sales starts up. Sales does nothing when a field is type currency on the server and numeric (15,4) in the local data. This fix was necessary to fix a problem with Codebase.
- 18251 – Sales – An extra unnecessary record is removed from the `sale_hdr` table when sales have `ForceFinalize` items (`FORCEFINALIZE()` macro), are saved, more items added, and then the sale is finalized. This also verifies that reporting will be accurate and not incorrectly altered by this extra record.
- 18252 – Sales – "Improper Argument" error is removed when voiding sales.
- 18284 – Sales – Item availability will update correctly when switching the line item date of Max4Sale items.
- 18289 – Sales – The **Modify Item** dialog in Sales will now close when the proper number of modifiers have been selected when multiple levels of modifiers are used.
- 18408 – Sales – Max4Sale availability remains accurate when max4sale items are placed and recalled from hold.
- 18414 – Sales – Auto-print in return mode will only occur if an item was actually scanned and returned. This should prevent reprints with the **Back** button.
- 18478 – Sales – Fixed issue with Sales setting the CC transaction as voice authorized even though the user entered an invalid authorization number.

- 18514 – Sales – Taxes are no longer added to transactions when performing a garment exchange or exchanging a pass through guest lookup.
- 18605 – Sales - When refunding validation items that also create access records validated against the same pass with points or money being validated, the refund now takes place.
- 18697 – Sales – A bug in `LocalItemCheck` which looks for Items records when an Itemtree is updated has been fixed. Also, Sales re-checks Items if it gets disconnected from SalesEZ application when updating the Itemtree.
- 18795 – Sales – The `GetItemNextModified` will now use the stored procedure named `SiriusSP_GetItemNextModified` if it is present, and if `LimitLocalItems=True` in Sales. If not, it will continue to use the existing unchanged code.
- 18827 – Sales – Internal coding changes were made in order to increase speed and performance in sales functions.
- 18913 – Sales – Eliminated the warning that displayed in Sales when ticket inquiry was used to call up a ticket with no guest attached, then a garment exchange was done on that ticket. Also fixed a problem that caused Sales to crash when attempting to perform a garment exchange on a ticket that had already been exchanged.
- 18980 – Sales – Clicking on the main item in the **Modify Item** dialog will no longer close the dialog if it has reached its max number of modifiers but sub-levels have not reached their maximum number of modifiers.
- 18988 – Sales – Removed potential for an infinite loop when right clicking on an item configured with Debitware Activation when Zip code collect is being performed at the beginning of the sale.
- 19082 – Sales - Periodically, receipts printed lines from previous sales after a PrintEZ error occurred. This problem has been corrected.
- 19357 – Sales - Specials were sporadically printing on receipts when they were not attached to the sale. This has been corrected.
- 19533 – Sales - Fixed issue with Cardware Batch Report detail total being incorrect. This happens when sales gets an, "AUTH REVERSAL FAILED," message when doing a payment reversal from a payment from a restaurant service salespoint credit card payment.
- 19743 – Sales - An issue has been fixed with Sales intermittently reporting a printer error when the printer is not in error.
- 19788 – Sales - No longer get a message about a sale being empty and being marked as finalized when using the **Hold** buttons in Sales.
- 19842 – Sales - Credit Card swipe in Sales was not prompting for the sale to be saved and was not consistently retaining the credit card information. Now if a CC swipe is initiated on an unsaved sale, a prompt displays, asking whether the user wants to save the sale. If the user chooses to **Save** or **Save/Recall**, the credit card swipe information is retained and displays on the **Credit Card Payment** dialog.
- 19854 – Sales - Added an .INI setting to control whether to pack the local tables at startup.

[preferences]

`PackTables = FALSE` will skip table packing at startup. Default value is false.

`PackTables = TRUE` will pack tables at startup, which may slow startup time.

- 19878 – Sales - Fixed issue with amount being sent to the VersaPay pinpad being different from the sale total by one penny occasionally.
Fixed Group Scheduling issue when hovering over the monthly calendar didn't show all the scheduled events for that day.
- 19962 – Sales - When selecting from the global **Accounts** button, and choosing one of the defaults (i.e. ***Debit,*Reservatn**, etc.), the form to choose an existing invoice or create a new invoice was not being displayed. This has been corrected.
- 20018 – Sales - When CHANGENUMVALS is performed on a Points value, the quantity is not validated. This will fix problems with erroneous validation errors when the **Points changed per validation** is greater than 1.
- 20025 – Sales - The Closeout Report now displays the correct credit card type when processing with Versapay/Paymentech credit card processing. Previously, everything was listed as VISA when a closeout was performed.
- 20081 – Sales - Sales will now allow recall of finalized sales which contain item or item tree restrictions, and will respect item restrictions for non-finalized sales.
- 20096 – Sales - Refunds for FORCEFINALIZE items will correctly bring up the payment screen and handle the refund correctly.
- 20134 – Sales - Items configured with a pricing schedule and a future **Valid On** date is refunded with the current price, rather than the price on validation day.
- 20160 – Sales - Fixed an intermittent issue with PaymenTech ECR pinpad not being able to get approval on certain items.
- 20167 – Sales - The Guest Activity now has a default **Date Range** filter of the past 365 days. This can be modified by an .INI setting:

[Preferences]

GuestActivityDays=365

The **Refresh** button must be pressed to refresh the data after the date range has been modified on the dialog. Also, the data is retrieved from the server only once rather than every time one of the filter buttons has been pressed (i.e., the filtering happens locally).

- 20227 – Sales - The correct max_key is retrieved when encoding a pass from a **RF Encode** or **Print Pass** from a pass lookup.
- 20299 / 20320 – Sales - Refunding an item with a **Removed Pass Item** modifier no longer crashes Sales.
- 20343 – Sales - Two new settings have been added to the [photo] section of sales32c .INI. The first is MaxImageSize. Images cannot be larger than MaxImageSize. The default value is 15000. If an attempt is made to save an image greater than this, an error is displayed. The second new setting is Quality, which is the quality of the JPEG image to be saved. Valid values are between 0-100. The default value is 75. This setting may be changed from the **Show Setup** dialog.
- 20368 – Sales - Multiple changes were made to functionality involving date changes for Reservations and Group Scheduling events. A warning now displays when a user tries to change the date of a Group Scheduling item in the Sales window. Also, dates no longer change for finalized sales. Also, reservations that are not Group Scheduling events no longer see dates change when the arrival date is changed for the reservation.
- 20381 – Sales - The **Refund All** option now works correctly for multiple items on a sale.

Finally, the date was added to the items purchased on the Guest Summary and removed the sort order from the list boxes (sorting is already done on the server).

- 20402 – Sales - The SETRENTALSHOP macro no longer clobbers the other `gst_rent` fields preventing the sale from being **Saved/Finalized**.
- 20410 – Sales - Acceptance of Liability forms is no longer required for refunds of sales.
- 20420 – Sales - Reservations may now be retrieved via **Note Lookup and Guest History** at salespoints which are not licensed for Reservation Headers. Changes to the Reservation Header will not be allowed when called into a non-reservation salespoint.
- 20432 – Sales - There was an issue in which credit card transactions were being written to the `cc_trans` table with an approval code value of "CREDIT". This has been fixed.
- 20443 – Sales - SETRENTALSHOP macro now works correctly if a rental shop has been deleted from the list of rental shops.
- 20494 – Sales - When selling multiple quantities of **Axess Pass** items (**Create Pass** items), RF Serial and WTP numbers are correctly populated for each quantity of the line item. Previously, there were rare situations that prevented the accurate population of these values on `gst_pass` records.
- 20540 – Sales - The **Guest Lookup** dialog has been fixed to allow look up of encrypted guest passes. In a scan, If the character following the removed % is a number, Sales does not decrypt. If it is a letter and `EncryptedPassNumbers=TRUE`, Sales decrypts.
- 20548 – Sales - If the `GetMaxKeys` function fails or returns a value of -1, a warning is displayed and Sales is shutdown. No sales may be finalized after a -1 is returned. In Sales Host mode, the warning is written to the log file rather than displayed to the operator.
- 20617 – Sales - Definitions of **Available Days** vs. **Restricted Days** on X of Y tickets have been corrected.
- 17998 – SalesEZ application – Revenue recognition will now be performed, if configured to do so, only on the first scan of the day, if the item is configured for `shift=1` day.
- 18019 – SalesEZ application – `ValidatePass` now creates a 102 (Renewed Pass) or 103 (Rejoined Pass) guest activity log record only when the proper information on the **Fundraising Interface** tab on the Item Edit Form has been entered for both the item being sold and the pass used to validate it.
- 18049 – SalesEZ – When performing an auto-sale, the calculated price now properly factors in any discount if the item is configured with the **Add Tax** check box checked.
- 19894 – SalesEZ - Performing a **Garment Exchange** on a pass which had been used, resulted in the **Void** not being complete and the **Voided By** field being left blank. This has been corrected. A **Void** generated by a **Garment Exchange** will now correctly transfer pass history and include correct void information.
- 20218 – SalesEZ - Enhanced logging options: Using the `_LogDirectives` file it is now possible to configure a variety of new logging options. They are:

```
<LogByInstance>YES</LogByInstance>
```

This will create a separate log for each instance of SalesEZ using a file name like:

`I11852_SalesEZ_Log.txt`. (The number is the windows process ID, and is generated by the operating system. If you have four instances of SalesEZ, you will end up with four instance logs. All of these logs will appear in a new subdirectory called `LogsByInstance`.

```
<LogBySalespoint>YES</LogBySalesPoint>
```

This will create a separate log file for each salespoint using a name like: TKT01_SalesEZ_Log.txt. You will get a separate log for each salespoint that connects. These logs appear in a new subdirectory called LogsBySalespoint.

Note: Some calls to SalesEZ have no salespoint name (like pings from Pool). These will be in a file called _SYSTEM_SalesEZ_Log.txt in the **LogsBySalespoint** folder.

```
<DisableCombinedLog>YES</DisableCombinedLog>
```

This will stop logging into the combined (classic) SalesEZ_Log.txt file. You may find that the combined log is too messy and complex to analyze, and may choose to use **LogByInstance** or **LogBySalespoint** instead. This allows you to shut off the main log.

```
<SubfoldersByDate>YES</SubFoldersByDate>
```

This option adds another level of subdirectories under the **LogsBySalespoint** and **LogsByInstance** folders using names in YYYYMMDD format. This way you can keep multiple days of logs organized.

```
<AddDateSuffixToLogFileName>YES</AddDateSuffixToLogFileName>
```

This will insert a date in YYYYMMDD format into the log file names. So, in the above examples, I11852_SalesEZ_Log.txt becomes I11852_SalesEZ_20111031_Log.txt and TKT01_SalesEZ_Log.txt becomes TKT01_SalesEZ_20111031_Log.txt. This will also apply to the **Long Calls** and **Errors log**, the combine "classic" log, as well as any MemoryDump files. The above options may be combined, mixed and matched anyway you like. This can also be detrimental, as you can configure things to log in three files simultaneously. So be smart about your choices. And, as with all the _LogDirectives settings, they can be turned on and off without restarting Pool/SalesEZ. Performance improvements and corrections in SalesEZ related to **Guest Summary** and **Guest Activity**. All routines will now use **Stored Procedures** if present. The **Stored Procedures** are obtainable upon request. If not, they will use dynamic SQL (as they always have).

Guest Summary: An alternate address will be retrieved if no mailing address exists. Fixed the recent sales list so it returns the most recent list of sales instead of a random sampling

Recent Activity: Results are now sorted with newest on top. The company name in prefs will be used in the event that the sites table hasn't been set up (remote site setup). A Date range is now supported, improving the speed of the results.

Activity Details: The company name in prefs will be used in the event that the sites table hasn't been set up. The stored procedure names are:

```
SiriusSP_SEZ_GetActivityDetails  
SiriusSP_SEZ_GetGuestActivity  
SiriusSP_SEZ_GetGuestSummary_GetOneAddress  
SiriusSP_SEZ_GetGuestSummary_GetRecentInstructors  
SiriusSP_SEZ_GetGuestSummary_GetRecentReservations
```

SiriusSP_SEZ_GetGuestSummary_GetRecentSales
SiriusSP_SEZ_GetGuestSummary_GetValidPasses

All of these stored procedures can be overridden by creating a new procedure with the same name as the real one, and appending "_Override" to the name.

Example:

SiriusSP_SEZ_GetGuestActivity_Override

- 20348 – SalesEZ - Closeout Report now correctly reports statistics on voids, clear lines, manager overrides and pop drawers that occurred for that closeout period.
- The Override procedure will be used instead of the real one, and will never be overwritten by a Siriusware update. Close window
- 8670 – Sales Host – **Text in the Web Errors** dialog is now displayed correctly when the dialog box is resized.
- 9938 – Sales Host – E-Commerce sales which use salespoint impersonation will only be successfully processed by Sales Host when the salespoint exists and is licensed in SysManager.
- 12949 – Sales Host – Sales Host will now display priority 0 and priority 1 messages to the logging screen that is displayed during the processing of a transaction. Thus, Sales Host now displays the same errors that an operator would receive in Classic Sales when there is an error.
- 16416 – Sales Host – A potential bug in formatting error messages on reprints in Sales Host has been fixed.
- 16937 – Sales Host – Sales Host now creates a `sale_hdr` entry when a credit card transaction fails during processing. Sales Host increments to the next `sale_no` value on subsequent credit card approval attempts. This new functionality will prevent multiple credit card transactions on the same sale (`sale_no`). When this occurs "Empty Hdr for CC" is written to the `sale_hdr.message` field.
- 16958 – Sales Host – Checking at startup to spot check indexes and repair any that are corrupt was added. Also, slight changes were added to codebase compile to include better codebase error checking of indexes.
- 17250 – Sales Host – The bug where E-Commerce `cc_trans` records didn't make it to the server from Web Sales Host and the local `cc_trans` records stored `card_id` and `card_no` incorrectly is fixed.
- 17433 – Sales Host – Sales Host now marks `ww_sale` records for DTL transactions with a `fwd_status` of 5 when the card is expired or is invalid and is therefore not processed. Prior to this change those records were being marked with a `fwd_status` of 2 and could not be identified since Sales Host treated them as processed.
- 17580 – Sales Host – Sales Host will now respect the **Ignore Qty** check box on the **Printing** tab of the Item Edit Form when printing Print at Home tickets item. So if this box is checked for the layout that is configured for Print At Home Tickets module, only one ticket will be created no matter what the line item quantity is set to for the item.
- 18174 – Sales Host – Sales Host is no longer creating empty guest records.
- 18386 – Sales Host – Users no longer get an "Endless Loop detected, breaking out" entry in Sales log when a close out occurs.
- 16814 – Scan Access – When performing a Direct-To Lift AutoSale (an autosale charged to the guest credit card on file) `ValidatePass` and `ValidateCard` now write the `sale_hdr` record for the AutoSale with the `pmt_type1`, `pmt_amt1`, `xchg_rate1` and `foreign1` columns populated with the payment amount.
- 18657 – ScanMan module – Variables are now properly initialized for trickle and daily scan counts.

- 20277 – SeeBooks - No longer get an error when attempting to view the booking details in SeeBooks by double-clicking on a booking within the instructor's schedule.
- 15844 – Self Entry module – Problems left over from the 3.5 framework conversion were fixed which should address problems with trans_no/sale_no linking, zipcode lookups, and other miscellaneous data issues. .se files again include trans_no and sale_no values when the pages.xml file is configured to include them.
- 16905 – Self Entry module – The **Get From Self Entry** Button in Guest Lookup now correctly removes the guest from the **Self Entry Selection** dialog when a guest is attached to the rental item or if the **Dismiss** button is used.
- 19502 – ServiceMonitor - ServiceMonitor no longer sporadically steal focus when running in the system tray.
- 16015 – SimpleCharge application – The F10, F11 and F12 Track, Strip, Prompt, and Text .INI settings now work in SimpleCharge mode.
- 15641 – SysManager – In **SysManager > Guest Edit > Passes** tab > **Pass Edit**: Display of the number of validations increased from 999 to 99999 to accommodate guests whose passes have been scanned more than the previous default of 999.
- 15765 – SysManager – When you create an invoice from SysManager, the invoice number and account name are now saved and shown in the sale_hdr table.
- 15888 – SysManager – When printing an ID card in Guest Edit an "Invalid path" error no longer occurs under some circumstances after printing the ID card.
- 16019 – SysManager – The wording related to rounding on the Specials Edit Form, **General** tab, has been changed, and inserted into a **Price Adjustment Usage Notes** dialog. The field previously named **Round To** is now labeled **Adjust To**. The text in "Price Adjustment Usage Notes" reads as follows and is a better explanation of how rounding/adjustment works when used. Positive numbers adjust price up, negative numbers adjust down.

Example:

1.00 adjusts up to the nearest dollar (5.01, 5.50, 5.99 all become 6.00) -.05 adjusts down to the nearest nickel (5.01 becomes 5.00, 4.99 becomes 4.95) Values between +-.51 and +-.99 set the cents (.95 sets 1.25 to 1.95, 2.99 to 3.95) Values less than +-.50 that are not divisible evenly into 1.00 will likely behave in an unexpected manner. Stick with +.50, .10, .25, .50 and .51 to .99.

Note: Price adjustments occur after taxes and fees. Additionally, the **Special Edit** dialog is now resizable.

- 16060 – SysManager – Data Maintenance/Copy from LIVE: Now displays an informational dialog to further explain the copy process and expectations. **Progress Thermometer** dialog now updates more reliably in Windows 7. The new informational dialog is as follows:

“Please be aware that the purpose of this process is to copy data from your LIVE database so that the product setup data will exactly match that found in the Live Database. It is necessary that any existing data in these same TRAINING tables will be marked as hidden or removed (if necessary) in order to prevent primary key violations when the data is copied. This is particularly the case with tables which contain "Identity" based (sequential numbers) primary keys, such as Dynamic Pricing Rules, Max4Sale and pod limits, meeting

locations, marketing codes, pickup locations and source codes. Therefore, if this existing TRAINING database contains data you created only here, but not in the LIVE database, you will likely need to unhide or completely recreate it after this process. Do you wish to continue?"

- 16064 – SysManager – There is now more consistent behavior when setting an operator's password in SysManager. The operator is prompted to reset their password upon log-in whenever it is manually changed in SysManager.
- 16210 – SysManager – The Idle Timeout in SysManager as set in **Operator Preferences > Misc tab > Idle application lock** (minutes) will now disable the main toolbar and menu options.
- 16331 – SysManager – The **AssignNo Warning Thresholds** grid now properly displays each time that the form is launched in a single SysManager session **SysManager > Preferences > AssignNo Warning Thresholds**.
- 16420 – SysManager – When editing the start or end times in the **Item Edit > Restrictions** Tab or the **Pass Template/Global Settings** tab , the hours and minutes are now padded with leading zeros so they work properly in Sales, ScanMan and GateKeeper modules. For example, " 8:00" or "8 :0 " becomes "08:00". Also the dialogs now prevent entering invalid times, such as "60:80".
- 16569 – SysManager – Item modifier "Available items" and "Assigned items" resized larger to allow easier distinguishing of items as they are moved between windows.
- 16586 – SysManager – Wording in **SysManager > Preferences > Misc > Sales** tab changed from "if start date is past, set start date to current date upon finalizing a saved sale" to "if start date is past, set start date to current date upon finalizing a sale." This reflects correct functionality that if a start date is in the past, and any sale, saved or new is finalized, the start date will be set to current date.
- 16618 – SysManager – Users are no longer able to enter blank spaces at the beginning or end of nickname fields for Operators, Departments, Items, or Categories.
- 16653 – SysManager – Specials will calculate and report correctly when toggling between different discount options.
- 16654 – SysManager – Profit center and split amount will be correctly populated after fees are applied to accounts.
- 16686 – SysManager – No error is received when changing the order of modifiers.
- 16882 – SysManager – Tool tip was enhanced for fill method on profit center to better explain approach depending on tax method used.
- 16956 – SysManager – The Dynamic Time Span option is now disabled when editing or creating item level Max4Sale limits in SysManager if the item has Real Time Inventory Tracking enabled. These two options are not compatible with each other.
- 16967 – SysManager – After a ticket number range query, tickets void without error.
- 17087 – SysManager – SysManager no longer returns "Invalid data configuration" messages related to .INI file locations upon startup.
- 17124 – SysManager – Hidden profit centers are no longer available for selection when editing an item. The profit centers will be available again after they are 'unhidden'.
- 17125 – SysManager – Users no longer get the error "Error accessing server data" in SysManager when editing and saving a Points4Sale Group.
- 17281 – SysManager – Problem with Specials not being saved when editing an existing item is fixed.

- 17291 – SysManager – A tool tip has been added to the **Special** dialog. The tool tip "This setting will only apply to the line item, not to the entire sale" is seen when hovering above the 'Set Final Price' option. This was done to clarify its functionality.
- 17864 – SysManager – Some non-Siriusware client program installs were "hijacking" a default value and causing incorrect file display in **SysManager > Preferences > Pictures** and in reports. The bmp files were displaying with filenames, instead of picture only. Change made to preferences form. Now when adding a picture, the standard "Paint.Picture" Windows OLE class is used even if bitmaps are defaulted to another image application on the current PC.
- 17867 – SysManager – Descriptions will still display for “available items” during modifier selection when switching the department and/or category.
- 17874 – SysManager – Gt_changes.prg and gt_makelog.prg now properly update values in gst_actv.details and acc_actv.details for passes that have null values or change to null values. gt_changes.prg is used in SysManager to create the XML changes that appear in acc_actv and gst_actv in the details column.
- 17906 – SysManager – Processing a TallyMan batch from an “all items, all venues” batch type will now zero out all on-hand quantities for inventory not scanned into the batch. Scanned items will have their inventory totals updated.
- 17960 – SysManager – A new special can be canceled out of cleanly when only two departments are selected and then **cancel** is chosen.
- 17802 – SysManager – Layouts are no longer deleted during "Packing Up All Layouts" in Activities when those layouts are also in other directories in the layouts folder.
- 18026 – SysManager – When creating a new Guest or a new Instructor in SysManager and trying to set a password for the first time, the user is now requested to save the new Guest in the Guest Edit form or the new Instructor in the Instructor Edit form before creating the password.
- 18258 – SysManager – Data Maintenance->Create Local Table Update Files: The error message "Cannot find object view_UpdateTable in the database" no longer occurs when processing the Guests update tables.
- 18743 – SysManager – Reports edited by SysManager will now properly have the printer information cleaned from them. The SysManager **Remove Printer Information From Layout** menu choice will now clean the layout *and* put the layout into the layouts table. It formerly only cleaned the layout - but did not refresh the layouts table.
- 19156 – SysManager – Leading and ending spaces are no longer allowed in Operator, Department, Category and Item Nicknames. Imbedded spaces are, however, allowed.
- 19971 – SysManager - Corrected a problem where Purchase Order labels printed to the default system printer despite a different printer being entered in the **PO History/Setup** tab.
- 19978 – SysManager - Changes include a fix to prevent a message printing at the bottom of PDF files that indicates the program is unlicensed, and a fix to correct multiple file location prompts during the creation of a PDF.
- 19997 – SysManager - The **Inventory** tab of a large matrix item will now display the grid in a readable format with scrollbars to access additional cells, rather than all of the cells jammed into the window in a format that was unreadable.
- 20078 – SysManager - Added more robust error handling in **LoadPic** method in the Guest Edit form.
- 20173 – SysManager - Pack Up All Layouts: No longer halts packing the remaining layouts in a subfolder if a layout is invalid or corrupt (i.e. missing FRT file).

- 20301 – SysManager - In SysManager, an **Activity 101** record is now recorded in `acc_actv` when a void/un-void occurs or a blackout date range/reason is either entered or removed. Previously, an **Activity 2** record was recorded; which is a **Modify Guest** record and didn't really make much sense. Also, previously the access form was saved prior to recording the changes that were made in the **Details** field; that has also been fixed.
- 20389 – SysManager - Modified Rental Inventory form to print each selected label as a separate print job
- 20017 – TallyEZ - Added resetting `cInvokeFullLog` property to empty string in **Invoke method** to fix slowness problem.
- 16689 – TallyMan module – TallyEZ application supports accented characters.
- 20074 – TallyMan module - **Items** and **Scans** count values are now correct when the user scans the same items. Previously, the **Items Count** didn't reflect the correct value until the user entered and exited the **Review** dialog.

A new **Total** count value that shows the total quantity of items scanned in the current TallyMan unit/batch has been added. **Items** now displays the number of unique items scanned. **Scans** displays the number of scans the user has performed. **Total** displays the total quantity of items scanned.

- 20091 – TallyManPPC - If in single item mode and quantity is lacking, e.g. user accidentally hit **Clear** button while scanning, and the operator is now warned with the following message: "Invalid quantity value in single item scan. Please change Quantity value to a valid number and rescan."
- 20180 – TallyManPPC - When scanning in **Single Item** mode and are prompted to add a hint, the user no longer has to accept the item to add to the batch. After entering the hint and **OK** is chosen, the item is added to the batch.
- 15856 – TechStation – Search from Ready Page now searches without presenting the error "RentEZ returned an empty string" and causing TechStation to freeze.
- 15921 – TechStation – Printing from TechStation will no longer fail on the first printjob with new (empty) `REZ_RentLabels` table.
- 19824 – TechStationPC - The tag `<ProgramData>` in any RentEZ template is replaced with the value define in `TechStationPC_system.INI`:

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\TechStationPC\
```

The replacement value has a trailing backslash, regardless if it is defined in the .INI file.

Backslashes in the replacement value are escaped:

```
C:\\ProgramData\\Siriusware\\TechStationPC\\
```

- This allows TechStation module to find the new location of the **Cache** folder for signature capture.
- 15861 – Tee Sheet module – You are no longer allowed to delete a course if it is used in a reservation.
- 17177 – Tee Sheet module – Large `res_no` values will no longer cause erroneous "Booking conflict, cannot move" errors. Startup reference to non-existent control was fixed.
- 19459 – Ticketing - The **Validation** Dialog Box will no longer automatically open when a pass is exchanged or a new pass is sold if the pass validation is set to **Optional** and the pass item has a sales restriction of min and max quantity of "1" in the **Restrictions** tab of the Pass template.

- 19789 – Ticketing - When one operator performed a closeout on behalf of another operator, the incorrect operator displayed on the closeout receipt. This has been corrected, the operator for whom a closeout is being performed will show on the receipt.
- 19873 – Ticketing - Credit card split payments were not holding the split amount throughout the process of the sale. Now if a credit card payment is split, the amounts will be retained when paying with the other credit card payments.
- 19907 – Ticketing - Printer error message will no longer display an incorrect time when there is a printer error.
- 20188 – Ticketing - Cleaned up sales retrieval functionality and added additional error logging functionality.
- 16026 – WAN Validation – When performing a WAN validation to a remote site SalesEZ application, 300 series errors (pass not found, template not found, no table associated with the passed prefix, no parent information for number, no guest record for parent of number, master pass number not found) are now properly returned to the calling scanner instead of returning an erroneous "Remote Connection Is Down - Courtesy Pass" message.
- 18033 – Web Pages – A bug that promoted guests to "head guest" when they shouldn't be, has been fixed in the E-Commerce pages when `<add key="AllowMultiLogin" value="1" />` was set in the `web.config` file. Guests will now only be promoted to "head guest" if they are the first looked up in the session or they are designated as the purchaser from checkout when that key is set to "1".
- 20118 – Web Pages - If a valid WTP number is not located in the database, a message, "A valid card was not found," is now displayed.
- 20263 – Web Pages - Code has been added to properly handle the "+" symbol in URLs passed to the Club Management pages when using .NETEncryption/decryption.
- 20281 – Web Pages - A variety of situations that were causing errors in the E-Commerce pages have been remedied, and the errors no longer occur.
- 20332 – Web Pages - Session timeouts from the `GuestSelected.aspx` page which caused the pages to crash with a variety of errors have been fixed in the E-Commerce pages.
- 20407 – Web Pages - No longer get any errors when setting a guest for an item with the E-Commerce pages.
- 20518 – Web Pages - WTP reload items are now filtered by salespoint type in the E-Commerce pages.
- 15918 – `ww.dll` – `GetDCIAvail` now returns data for `BOOK_TIMES` and `QTY_REM` whether or not Max4Sale capability is enabled on any of the DCIs in the `DCILIST`, and whether or not any Max4Sale entries exist. Also, data is returned for `BOOK_TIMES` and `QTY_REM` whether or not applicable dates in the Max4Sale entries fall within the range of `START_TIME` to `END_TIME`.
- 15922 – `ww.dll` – Dates are once again handled correctly when doing `GetItemTree` and `GetItem/GetItemExpanded` calls via `ww.dll`.
- 16095 – `ww.dll` – `ww.dll` now handles record sets with 0 records properly. This fixes the "processsale" bug when passing a `wwsale_id` that does not already exist in the database.
- 16144 – `ww.dll` – `ww.dll` will now handle date times correctly even when the Regional and Language Options of the computer where it is running from are different from English (United States).
- 16968 – `ww.dll` – Fixed age checking to work as part of `verifyitem` call, to be sensitive to modifier inheritance, and to only check for items that require guest information.
- 17178 – `ww.dll` – When the locale settings indicate that a comma should be used in place of a decimal point, the recordset is adjusted accordingly.

- 17713 – ww.dll – ww.dll now correctly masks data in plain text password and credit card fields that get written into the logs.
- 18102 – ww.dll – ww.dll now correctly deals with an invalid card type error returned from ProtoBase, and no longer returns <proc_online>0</proc_online> to the E-Commerce pages which had previously resulted in the CCTimeout email incorrectly getting sent. Instead, the guest will be taken to the error.aspx page where they will get the message "This Card Was Not Approved. Message: ACKNOWLEDGED".
- 18166 – ww.dll – Improvements have been made to the XML processing in ww.dll in order to allow duplicate tags to be processed successfully.
- 19000 – ww.dll – A bug in ww.dll has been fixed where the amount charged for an item could be incorrect by a very small amount when tax is required for the item and it is sold via the E-Commerce pages.
- 20602 – ww.dll - GetItem and GetItemExpanded will now respect <type_n> flags passed in (just like getitemtree and getmods and getparents). If an item or modifier isn't set to the proper sales point type, it will not be returned from the call.

Appendix A

The Update_Siriusware_41.msi includes a utility called SplitInfinIni. The SplitInfinIni utility's purpose is to help Siriusware attain Windows 7 certification with regard to the prohibition of writing transient data to the Program Files directory, favoring the ProgramData directory instead. The reason is that regular (non-administrator) users are not allowed to write to the Program Files folder in default (UAC enabled) installs of Vista and Windows 7. Any writing to these folders should trigger a UAC window requiring an administrator password to complete. We don't want that to happen, so we must use the ProgramData folder for transient data.

The utility is designed to take Siriusware's existing .INI files and split them into two files. One xxxx_System.INI file containing settings that we feel only an administrator should be able to change, and a second "normal" .INI file. The xxxx_System.INI file is located beneath the Program Files folder. The second "normal" .INI file is located beneath the ProgramData folder. The "normal" .INI file will contain settings that users can change or that the application will change during the course of running.

For example, Sales32c.INI changes from one file (See following figure left) into two files (See following figure right):

C:\Program Files\Siriusware\Sales\Sales32c.ini <pre> [Data] DataPath=C:\Program Files\Siriusware\Sales\Data\ LayoutPath=C:\Program Files\Siriusware\Sales\Layouts\ [Server] SalesEZ=127.0.0.1:4203 BookEZ=127.0.0.1:4204 Printbase=65.118.84.235:4209 ServerRetry=1 CreditCardSales=TRUE StartupSalesEZ=TRUE StartupCCEZ=FALSE StartupBookEZ=FALSE ServerTimeout=90 PrintTimeout=30 [TrainingData] DataPath=C:\Program Files\Siriusware\Sales\Data.tng\ [TrainingServer] SalesEZ=127.0.0.1:4205 BookEZ=127.0.0.1:4206 CCEZ=127.0.0.1:4202 [Preferences] OnScreenKeyboard=FALSE VerbosityLevel=5 [SalesPoint] Interface=Classic Group=Bar </pre>	C:\Program Files\Siriusware\Sales\Sales32c_System.ini <pre> [Data] ProgramDataPath=C:\ProgramData\Siriusware\Sales\ DataPath=C:\ProgramData\Siriusware\Sales\Data\ LayoutPath=C:\ProgramData\Siriusware\Sales\Layouts\ [Server] SalesEZ=127.0.0.1:4203 BookEZ=127.0.0.1:4204 Printbase=65.118.84.235:4209 ServerRetry=1 CreditCardSales=TRUE StartupSalesEZ=TRUE StartupCCEZ=FALSE StartupBookEZ=FALSE ServerTimeout=90 PrintTimeout=30 [TrainingData] DataPath=C:\ProgramData\Siriusware\Sales\Data.tng\ [TrainingServer] SalesEZ=127.0.0.1:4205 BookEZ=127.0.0.1:4206 CCEZ=127.0.0.1:4202 </pre>
	C:\ProgramData\Siriusware\Sales\Sales32c.ini <pre> [Preferences] OnScreenKeyboard=FALSE VerbosityLevel=5 [SalesPoint] Interface=Classic Group=Bar </pre>

As a general rule, all [Data] and [Server] sections are kept in the “System” .INI and all other .INI sections go to the “normal” .INI file in ProgramData. Note that the local data paths and layout paths are changed to ProgramData, as all local data is now stored in the ProgramData directory.

RentEZ, RentPrint and FileSync applications have additions to the standard split into the two .INI files. RentEZ application has a Stations.dbf and RentPrint application has a Printers.dbf. Both are stored in the appropriate ProgramData locations. FileSync application has the addition of a Tables.config which holds all the tables and indexes that FileSync application will be managing. The .config file resides in Program Files.

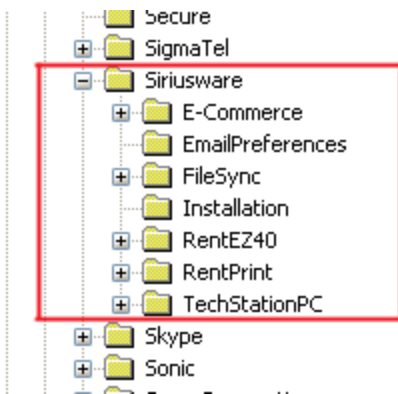
SplitInfinIni also moves existing registry settings to .INI files for ww.dll, FileSync, RentEZ, RentPrint and TechStationPC applications. This was done for consistency with other applications and in compliance with Microsoft guidelines for use of the registry.

Siriusware registry settings are located in

HKEY_LOCAL_MACHINE\SOFTWARE\SIRIUSWARE\INSTALLATION or

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\SIRIUSWARE\INSTALLATION on 64-bit systems.

Therefore, your registry will change as shown in the following "before" and "after" screen captures:



EmailPreferences registry keys are written to the registry by the ConfigManager installer and remain as is. **Installation** registry keys are written by other installers and also remain as-is. Specific registry settings that were moved, and where they were moved to, are detail in the following [Details](#) section.

There are some exceptions to the general [Data] and [Server] rule, and we have found settings in .INI sections that were not appropriate. These are detailed in the following [Details](#) section. All activity is logged in SplitInfinIni_Log.txt. The .exe itself is copied into the Program Files\Siriusware\SplitINI directory.

Details

Here are the details of what the SplitInfinIni utility does for each application:

- BatchPrint** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder.
- BookEZ** See Pool.
- E-Commerce** Creates ww.INI and ww_system.INI files from registry settings and places them in appropriate folders. TheConnectionString setting is moved to the [Data] section in the ww_system.INI, and the entire CC section is moved to the [Server] section of the ww_system.INI, and several settings have CC prepended to the names for clarity. Also the **Enabled** setting is deleted as it is no

longer used. Registry settings are then deleted. The directory must be named E-Commerce or ecommerce for SplitInfini to recognize it. With regard to registry settings, your results should look something like this:

ww.INI:

```
[Preferences]
VerbosityLevel=0
EventLogVerbosity=0
```

ww_System.INI:

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\E-Commerce\
ConnectionString=*~*9236853a75271b9a9a17835987dc8a848ff3ff70dc6eda828f7692925
5fc6cf27b5b8d4a96ded47f656252b0f85e6a0a35da5a7177e379d5150571ed33dcfd5061b22c
c7077526f78a70616214782c93f229618a2bfa0741cfec0924d178d87449b8d54f65dd4909392
7342945c7007eee99d5f9ef89bad654203c1601320a23ca362a50e569293e607f6f7d654471ea
DefaultInfo=<operator>WEBOP</operator><salespoint>WEBSP</salespoint>
Secure=TRUE
SetAppRole=FALSE
CheckWWSaleID=0
```

```
[Server]
Protobase=65.118.84.226:4209
CCTimeout=120
CCOperator=Websales
PreAuth=TRUE
```

If a manual partition is required, follow these guidelines:

1. Create a ww_System.INI file using these settings:

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\ww\
ConnectionString= [Add your connection string here]
DefaultInfo=<operator>WEBOP</operator><salespoint>WEBSP</salespoint>
ReplSpSuffix=000
TestCard=5454545454545454
SaveSize=100000
SetAppRole=FALSE
GuestFilter=
CheckWWSaleID=0
```

```
[server]
Protobase=65.118.84.235:4209
```

```
CCTimeout=120
OCV=
CCTerminalID=WEB
CCAccountID=
PreAuth=TRUE
CCOperator=
DPSAuthSSL=FALSE
DPSAuthSSLUsername=
DPSAuthSSPassword=
```

2. Create a ww.INI file with these settings:

```
[Preferences]
VerbosityLevel=5
SingleLog = TRUE
EventLogVerbosity = 5
Secure=TRUE
LogDir=C:\ProgramData\Siriusware\ww\log
```

```
[VersaPay]
MerchantID=
TerminalID=
BIN=
CurrencyCode=
CurrencyExponent=
OrbitalConnectionUsername=
```

3. In C:\ProgramData\Siriusware - Create a parallel folder to the E-Commerce folder in Program Files and place the ww.INI file into it. After the .INI files are present, register the .dll (if you need to) by double clicking on it.

FileSync Moves *.bin, FoxUser.* and the entire [Data] folder and all sub folders to the appropriate ProgramData folder. It creates Tables.config, FileSync.INI and FileSync_System.INI from the registry settings, and deletes the registry settings. With regard to registry settings, your results should look something like this:

FileSync.INI:

```
[Preferences]
VerbosityLevel=1
ItemTree=
LimitLocalItems=FALSE
Operator=
```



```
[System]
Ready=FALSE
Status=Stopped
```

FileSync_System.INI

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\FileSync\
DataPath=C:\ProgramData\Siriusware\FileSync\Data\
```

```
[Server]
ServerTimeout=30
ForwardInterval=10
ReconnectInterval=30
SalesEZ=127.0.0.1:4203
AutoUpdate=FALSE
SalesPoint=
Sp_Suffix=3
```

- GateKeeper** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. If sound and image files are locally referenced, they are moved to ProgramData.
- Helper** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. Removes Helper_scale.INI (Scale settings will now be written by Helper in Helper .INI in the [System] section.
- PayManager** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. This makes the JPGTempPath setting point to ProgramData. This leaves the LayoutPath and LabelPath alone as they likely point to a server location.
- Pool** When the Pool directory is made in ProgramData, subdirectories for each EZ will also be made. So, BookEZ.INI will be found in C:\ProgramData\Siriusware\Pool\BookEZ. Pool.INI, BookEZ.INI, SalesEZ.INI and TallyEZ.INI are all split. All Pool_*_Scale.INI, *.bin and all log files are moved to appropriate ProgramData folders.

Note: For RentEZ application, there are no .INI files, but .INI files will be created from the registry settings. In addition, there will be a stations.dbf file created that holds the settings for the TechStations. Registry entries are then deleted.

PrintEZ See Sales.

RentEZ See Pool – Plus, A "<USE_FILESYNC_VALUE>" value in the DataPath is no longer supported – an actual path to the FileSync data will be inserted. With regard to registry settings, your results should look something like this:

RentEZ_System.INI

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\Pool\RentEZ\
PrintersDBFPath=C:\ProgramData\Siriusware\RentPrint\
DataPath=C:\ProgramData\Siriusware\FileSync\Data\
MediaFilesPath=Siriusware\FileSync\Data\Files\

[System]
NeverClose=YES
PasswordModifyLog=sirius
AllowUpgrades=NO
EnableOverDueAlerts=YES
PasswordUpgrade=sirius
PasswordReactivate=sirius
PasswordDeleteItem=sirius
DaysPostReturnExchange=0
DaysReactivateForm=7
DaysReRentCountsAsContinuation=0
OperatorSecurity=2
MeasurementType=ENGLISH
LastNForms=25
CheckInOnLostOrStolen=YES
DeactivateScanBox=YES
LookupBy=Barcode
AllowCrossovers=NO
LogInvoke=NO
MaxRowsPerTable=150
MaxContractAgeInReturnMode=10
SignatureCapture=NO
AllowAnonymousRentals=NO
TablesToCloseBetweenCalls=
MaxLogFileSizeKB=2000
FlushWithReplace=YES
FlushWithReopen=NO
FlushWithSys1104=YES
FlushWithFlush=YES
```

RentPrint Moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. Creates .INI files from registry entries and places them appropriately. Creates a Printers.dbf table and places it in the

ProgramData\Siriusware\RentPrint folder. This deletes registry settings when done. TempFiles folder will be moved to ProgramData. A "<USE FILESINC VALUE>" value in the DataPath is no longer supported. An actual path to the FileSync data will be inserted. With regard to registry settings, your results should look something like this:

RentPrint.INI

```
[Preferences]
VerbosityLevel=1
```

```
[Interface]
Left=75
Height=476
Width=790
Top=53
```

RentPrint_System.INI

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\RentPrint\
DataPath=Siriusware\FileSync\Data\
```

```
[Server]
CheckInterval_ms=500
LogFileType=1
```

ReportManager Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. This makes the JPGTempPath setting point to ProgramData. This leaves the LayoutPath and LabelPath alone as they likely point to a server location.

Runexe RunExe.INI is renamed to RunExe_System.INI and is kept in the Program Files directory. RunExe.INI. All CompressHelp and HelpName settings are removed from the .INI file as they are no longer used. All Log files are moved to ProgramData. No RunExe.INI file is created (or is used).

Sales This Splits Sales32c.INI, PrintEZ.INI, and update.INI. Fixes .INI settings. DataPath (in both live and training sections), LayoutPath, and PDFPath will be changed to the appropriate ProgramData directories. [Data], [Layouts] and [Images] folders are moved to ProgramData. All Log files are moved to ProgramData. All csr*. * files are deleted. (New PrintEZ application will create them in the data folder from now on). The *.bin, Sales32c_Group.INI and Sales32c_default.INI files will be moved to ProgramData. The PDFPath, LayoutPath, JPGTempPath and DataPath settings in PrintEZ_System.INI will be removed as Sales now passes that information to PrintEZ application on startup. The Ports.INI file is moved to ProgramData.

- SalesEZ** See Pool.
- ScanWatch** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. This makes the JPGTempPath setting point to ProgramData.
- SeeBooks** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. This makes the JPGTempPath setting point to ProgramData.
- SiriusFS** Left completely alone.
- SysManager** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. This Makes the JPGTempPath setting point to ProgramData and leaves the LayoutPath and LabelPath alone as they likely point to a server location.
- TallyEZ** See Pool.
- TechStationPC** Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. Moved the [Cache] folder to ProgramData. Creates .INI files from the registry settings and places them in the appropriate folders. This deletes the registry settings when done. With regard to registry settings, your results should look something like this:

TechStationPC.INI

```
[Preferences]
VerbosityLevel=2
```

```
[System]
Width=800
Height=600
Top=60
Left=146
```

TechStationPC_System.INI

```
[Data]
ProgramDataPath=C:\ProgramData\Siriusware\TechStationPC\

[Server]
ScanCharacterInterval=300
PingTimer=0
ResetTimer=0
InstanceName=Tech1
NoPrefix=RI
ServerTimeout=30
```

RentEZ=127.0.0.1:4207

In addition, any application not listed here will do these default things: Splits .INI file into “normal” and “System” .INI files, moves *_Log*.txt, MemoryOnError.txt, *.bin and Foxuser.* to appropriate ProgramData folder. This makes the JPGTempPath setting point to ProgramData.

Also, all FoxPro applications that formerly used the [Prefs] section will now read [Preferences]. This translation will be done as part of the .INI splitting process.

Appendix B

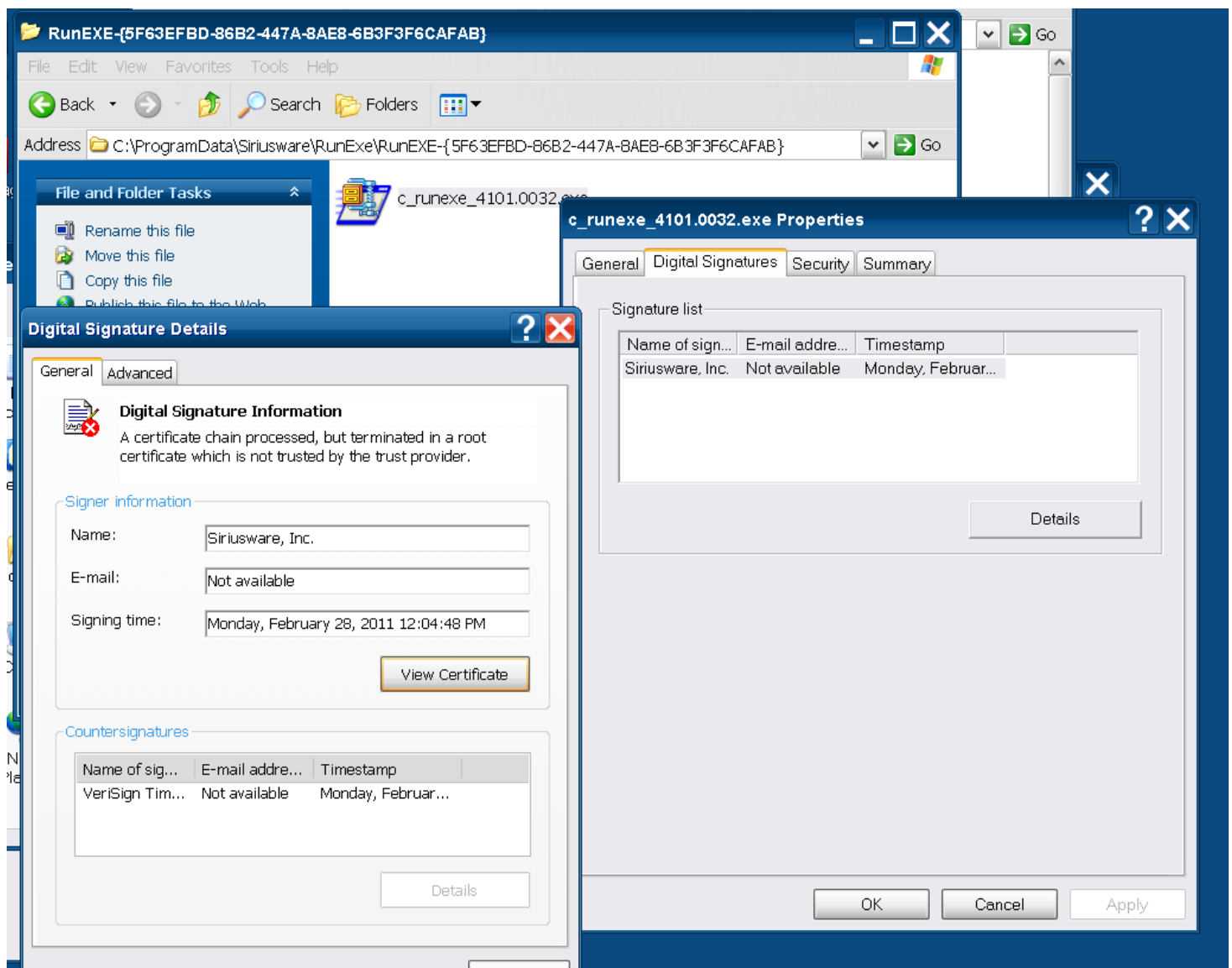
Details for upgrading to Salesware 4.1.01 on Windows XP

After running the Update_Siriusware_41.msi on all salespoints, we found that we couldn't start SysManager or Sales programs on machines running Windows XP. After downloading the updates for those apps (c_sales_xxxx.exe, etc.) we found the following error in the Runexe log:

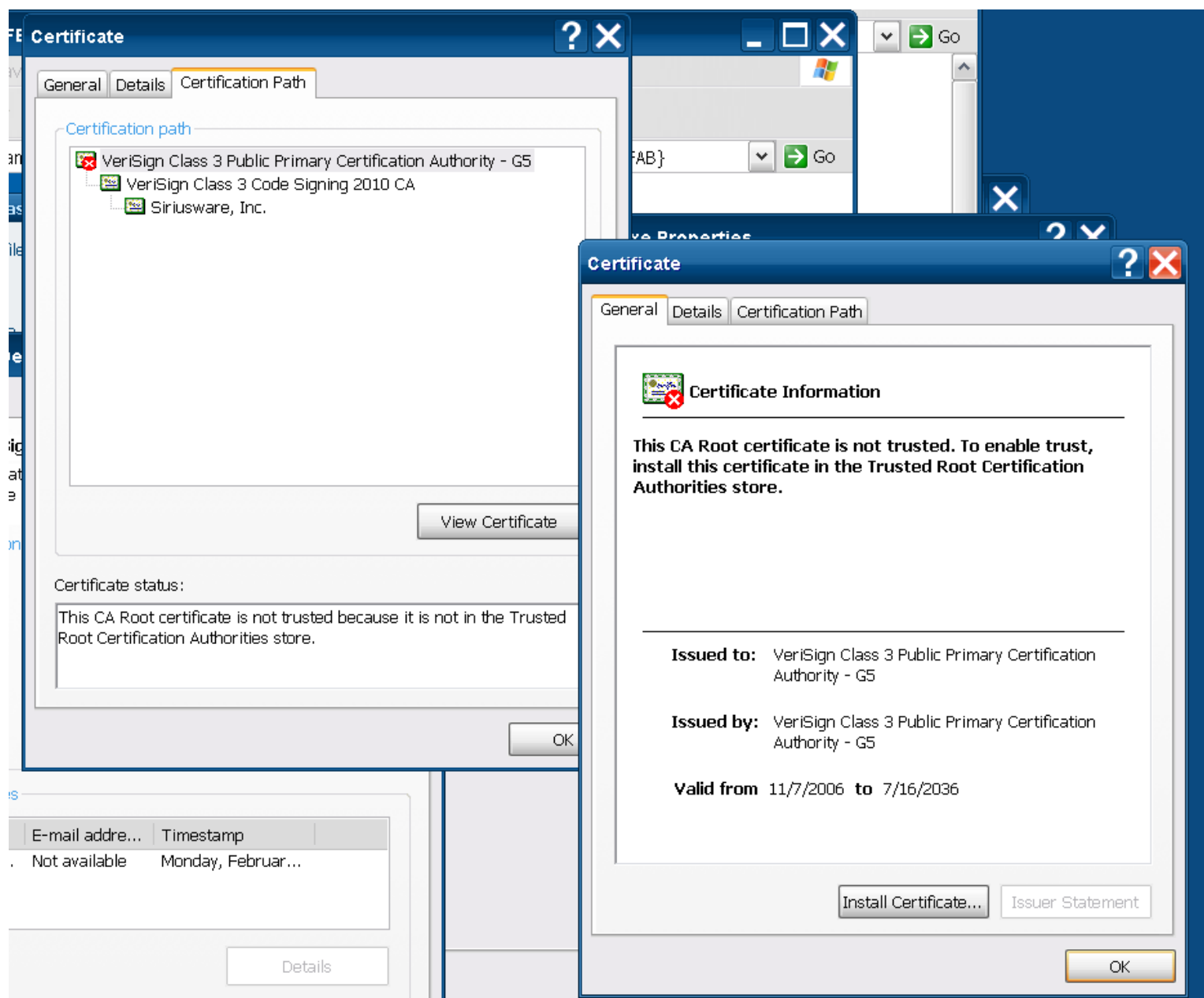
```
2011.04.04 14:38:39.131 Running Common Update
2011.04.04 14:38:39.131 Checking Local Path for Runexe
2011.04.04 14:38:39.131 Checking Update Path for Runexe
2011.04.04 14:38:39.145 Checking for Common file update...
2011.04.04 14:38:39.160 Starting Runexe with parameter 'SysManager'
2011.04.04 14:38:39.160 Checking Local Path for SysManager
2011.04.04 14:38:39.160 Checking Update Path for SysManager
2011.04.04 14:38:39.160 Checking for a SysManager update...
2011.04.04 14:38:39.205 Updating c_SysMgr_4102.0368.exe
2011.04.04 14:38:40.197 Unzipping c_SysMgr_4102.0368.exe
2011.04.04 14:38:40.507 WinVerifyTrust failed with error 0x800B010A
2011.04.04 14:38:40.507 Unable to delete
2011.04.04 14:38:40.522 Running Self-Update on Runexe
2011.04.04 14:38:40.522 Checking Local Path for Runexe
2011.04.04 14:38:40.522 Checking Update Path for Runexe
2011.04.04 14:38:40.522 Checking for a Runexe update...
2011.04.04 14:38:40.537 Updating c_runexe_4101.0032.exe
```

2011.04.04 14:38:40.804 Unzipping c_runexe_4101.0032.exe
2011.04.04 14:38:40.818 WinVerifyTrust failed with error 0x800B0109
2011.04.04 14:38:40.833 Shutting Down Runexe...
2011.04.04 14:38:42.728 Closing C:\ProgramData\Siriusware\RunExe\runexe_log.txt

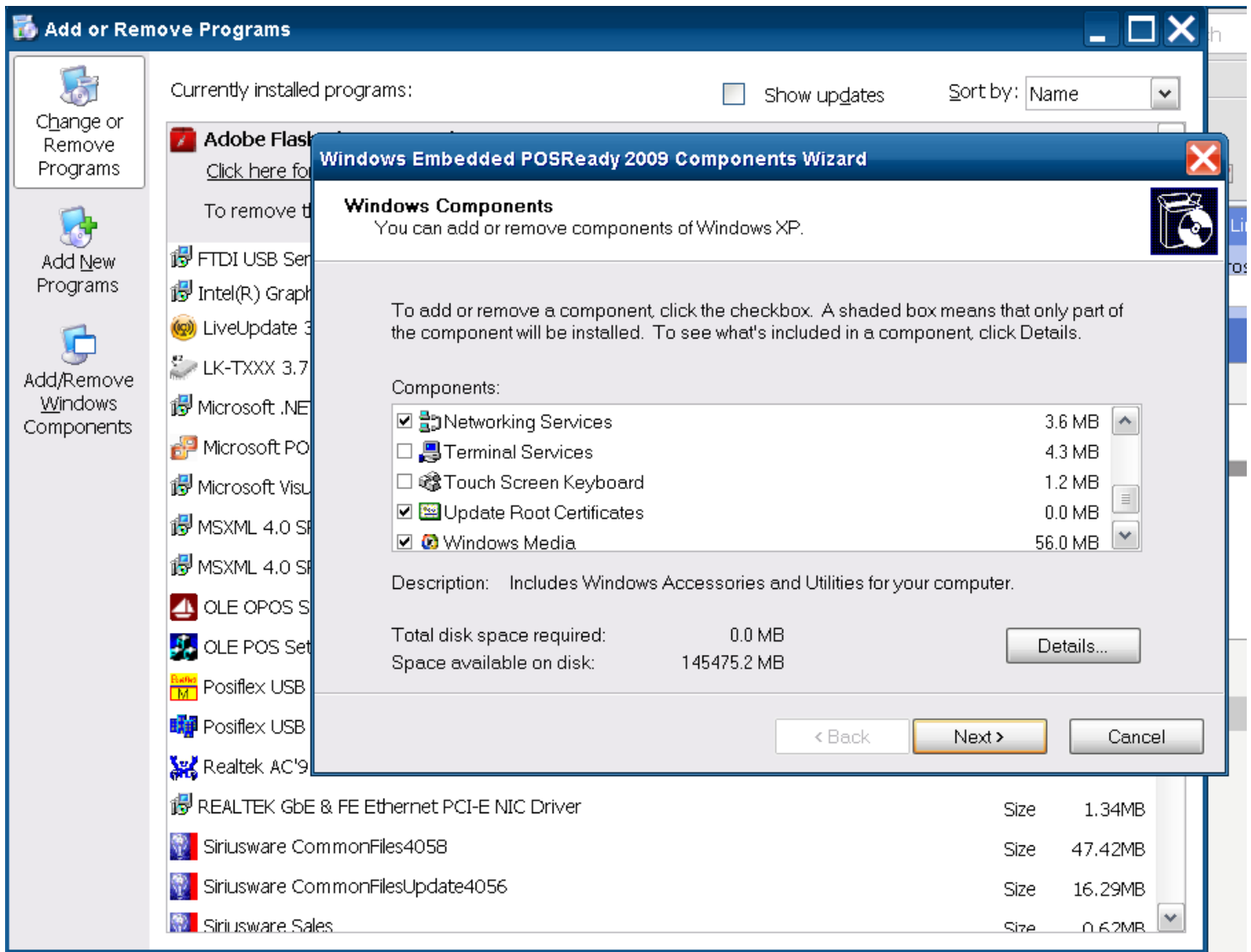
The problem turns out to be related to the signature check's that Runexe application now does. The root certificate authority (CA) on the Siriusware certificate was not in Windows' list of trusted root CA's. You can see that this is the case by right-clicking on the downloaded c_XXXXXXXXXX.exe and entering properties, going to the **Digital Signatures** tab, highlight the Siriusware signature and clicking **Details**:



Selecting **View Certificate** and going to the **Certification Path** tab shows the details of the certification chain:



This illustrates that Windows hasn't received the updated official list of trusted CA's distributed by Microsoft. It turns out that in Windows XP you can enable automatic update of root CA lists in Add/Remove Windows Components:



After checking **Update Root Certificates** here and installing that feature, we were immediately able to run Siriusware applications. More information on the issue, including help for other versions of Windows, is available here:

<http://support.microsoft.com/kb/931125>

Microsoft actually recommends having your own trusted certificate store on your network and not configuring every individual box to automatically update root certificates. However, for now, we are enabling this at salespoints and also researching ways of getting around going back to every Salespoint and installing this feature. There should be some way to enable a certificate store on the network and only set that machine to automatically download the certificate updates, but not all details of this are understood at this time:

<http://technet.microsoft.com/en-us/library/bb457160.aspx>

Appendix C

Faux Finalize

Faux Finalize functionality allows finalized sales to be recalled in order to make adjustments to credit card amounts, tipping or cash amounts on a finalized sale. Previously it was not possible to do so. To use Faux Finalize the following `Sales32c.INI` setting is necessary in the [Preferences] section of the `Sales32c.INI`, `Sales32c_default.INI` or `Sales32c_group.INI`.

```
FinalizeAtCloseout=TRUE
```

When Faux Finalize is enabled, and a sale is “finalized” the `sh_save.finalized` field remains “0”, false, and the `sh_save.final_pending` field is marked with “1”, true. When those two conditions are present the sale does not appear in the **Select Table Number/Recall Table** dialogs just as a finalized sale would not when Faux Finalize is not enabled. However, with **Finalized Pending** enabled, the finalized sale can be recalled by using the **Recall** button from one of the 12 main sales buttons if present or from **Tools > Actions** if the **Recall** button is not present in the main buttons.

Adjusting Credit Cards

1. Recall the sale using **Recall** button
2. Use the **Reverse Charge** button to cancel the credit card transaction
3. Save the sale (**Pay** or **Save** button)
4. In the **Save** dialog choose the **Payment Type** button and choose the credit card listed in the payment types
5. Save the sale
6. Recall the sale, it can temporarily be recalled from either the **Select Table Number/Recall Table** dialog or using the **Recall** button.
7. Finalize the sale adding tip.

Adjusting Cash

1. Recall the sale using **Recall** button
2. Choose **Pay** or **Save** button
3. In the **Save** dialog enter negative amount of cash amount to be taken off the sale
4. Save the sale.
5. Recall the sale, it can temporarily be recalled from the **Select Table Number/Recall Table** dialog, and make the payment to replace the refunded cash
6. If the sale was not finalized in step 5 recall and finalize

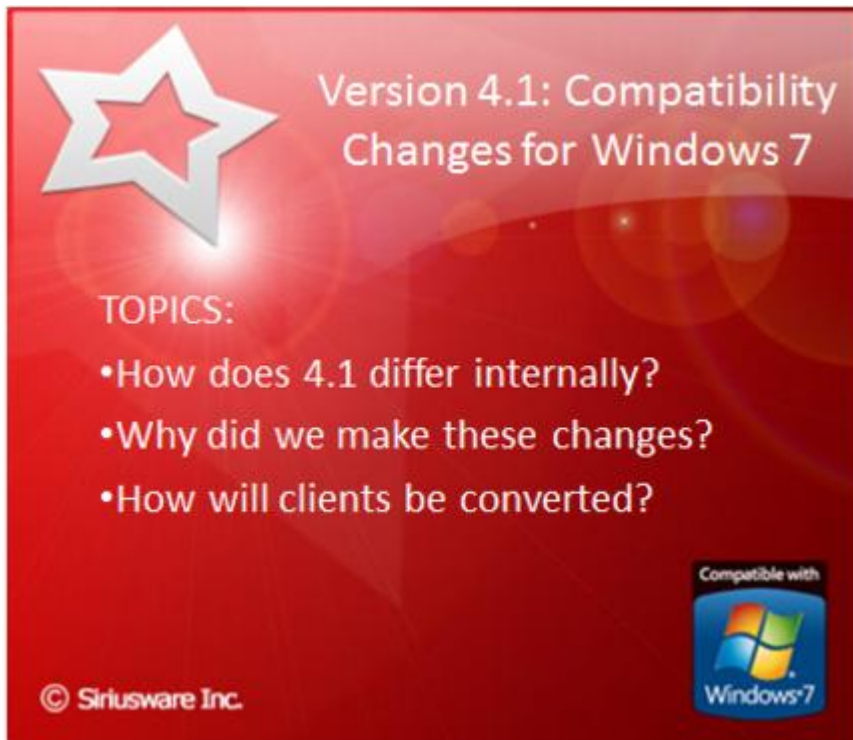
Things to Know

All items in sales remain in sh_save and tr_save and will transact until an operator closes out for the day. If an operator forgets to close out during their shift, reporting is affected.

Because sales are not finalized until closeout, care must be taken to use [Preference] Group= setting to prevent Faux Finalize sales from appearing on other non Faux Finalize salespoints that recall sales.

Appendix D

PowerPoint presentation exploring version 4.1.01 compatibility and changes for Windows 7





How does 4.1 differ?

- User data is now stored in %ProgramData%
 - the program .exe and associated files are still in %ProgramFiles%
- Each application has two .ini files:
 - one (called APPNAME_System.ini) in %ProgramFiles%
 - one (called APPNAME.ini) in %ProgramData%
- New controls
- Application updating via a service

© Siriusware Inc.



Why did we do it?

- Compatibility with Windows Vista/7 security model
 - Install & run with UAC on (better security)
 - Pass Microsoft testing for Gold Certification and Compatible with Windows 7 logo
- Compliance with PA-DSS
 - Digitally signed applications and installers
- Updating of CommonFiles without administrative login
- 64 bit operating system support

© Siriusware Inc.





%ProgramFiles%

- C:\Program Files\Siriusware
- Application executable files (in APPNAME folder)
 - Application system settings file (APPNAME_System.ini)
 - .exe, .ocx, .dll
- Standard users do not have write permissions
 - Applications are updated with service with permissions

© Siriusware Inc.



%ProgramData%

- C:\ProgramData\Siriusware
 - created on XP systems; exists on Vista/Win7
- All user files stored here (in APPNAME folder)
 - data files
 - logs
 - application settings .ini (APPNAME.ini)
 - layouts
- Standard users have write permissions
- Hidden folder (use shortcut in Start Menu)

© Siriusware Inc.





Two .inis

- APPNAME_System.ini
 - located in %ProgramFiles%\Siriusware\APPNAME\
 - [Data] & [Server] sections
- APPNAME.ini
 - located in %ProgramData%\Siriusware\APPNAME\
 - all other sections: user settings (some set by application during use)



© Siriusware Inc.



.ini settings

- New setting:
 - [DATA] section
 - ProgramDataPath=%ProgramData%\Siriusware\APPNAME
- setting changed for consistency:
 - Prefs now Preferences
- New sub-folder:
 - JPGTempPath=%ProgramData%\Siriusware\APPNAME\JPG
- Paths changed to %ProgramData%
- Pool settings and logs in separate folders
 - %ProgramData%\Siriusware\Pool\APPNAME



© Siriusware Inc.



Controls & Fonts

- For 64 bit support and Windows 7 best practices:
 - all controls now stored in %ProgramFiles%\Common Files\Siriusware Shared (not in Windows\System32)
- New GDPicturePro: for photo capture in Sales & SysManager
 - replaces Pegasus
- New NovaPDF: for creation of .pdf files
 - replaces Amyuni
- New fonts: Segoe UI, Calibri, Consolas
- Removed old controls & runtimes from CommonFiles install

© Siriusware Inc.



Service for Updating

- Allows updating in %ProgramFiles% by a standard user (no administrative privileges)
- How the updating service works:
 - Siriusware_Install_CommonFiles.msi installs the service 'SiriuswareUpdate' with appropriate privileges
 - When a new update is found, RunExe calls the service 'SiriuswareUpdate'
 - 'SiriuswareUpdate' extracts the update to the appropriate %ProgramFiles% folder

© Siriusware Inc.





Conversion

- c_CommonUpdate_4101
 - installs new controls & runtime libraries
 - installs the 'SiriuswareUpdate' service
 - includes all previous CommonUpdates
 - runs the ini splitter utility
 - this utility searches for Siriusware .ini files and splits them into:
 - APPNAME_System.ini in %ProgramFiles%
 - APPNAME.ini in %ProgramData%



© Siriusware Inc.



Pool as a Service

- Not for Windows 7 compliance, but really nice
- Pool now runs as a service
 - One service per 'EZ'
- Service monitor – UI to view and control each Pool service
- Advantages:
 - Pool server does not need to be logged in for Pool to be running
 - UI enhancements can be made w/o affecting core service



© Siriusware Inc.